

**Advance Ship Notice
(856) Transaction Set**

EDI IMPLEMENTATION GUIDE

X12 VERSION 4010

May 21, 2003



Document Status

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Description	An EDI Implementation Guide for KB toys Advance Ship Notice.

Document Revision History

Version #	Date	Author's Name	Revisions Made
2.0	March 07, 2003	C. Covell	Added new requirements
2.1	April 03, 2003	C. Covell	Added notes to V1 segment and changed requirements
2.2	April 14, 2003	C. Covell	Added notes to TSD & R4 segment.
2.3	April 22, 2003	C. Covell	Corrected code in TD3 segment. TD310 code of OOOO to 0000.
2.4	May 21, 2003	C. Covell	Eliminated TSD segment. Changed the following elements from mandatory to optional: <ul style="list-style-type: none"> ➤ TD310 Equipment Type ➤ TD109 Volume ➤ TD110 UOM Code



This ASN implementation guide has been updated to include the new fields requested on all ASN files to KB toys. Below is a summary of the new segments and elements:

Segment	Description	Comments / Valid Codes
TD1	Carrier Details (Quantity & Weight)	Additional Elements
TD109	Volume	
TD110	Volume unit of measure	'CF' cubic feet 'CR' cubic meter
TD5	Carrier Details (Routing Sequence / Transit Time)	Additional Codes
TD504	Transportation Method / Type Code	Additional codes added: 'R' Rail 'S' Ocean
TD3	Carrier Details (Equipment)	New Segment
TD302	Equipment Initial	
TD303	Equipment Number	
TD310	Equipment Type	22GP - 20' Standard Dry 42GP - 40' Standard Dry L2GP - 45' Standard Dry M2GP - 48' Standard Dry P2GP - 53' Standard Dry 45GP - 40' High Cube Dry L5GP - 45' High Cube Dry 45RE - 40' High Cube Reefer 42HR - 40' Non Operating Reefer M2G4 - 48' Trailer P2G4 - 53' Trailer 0000 - Unspecified (Air, LTL)
REF	Reference Identification	New Segment
REF01	Ref ID Qualifier	'ZZ' Mutually Defined
REF03	Container load type	'LTL' Less than full Trailer/Container 'FTL' Full Trailer/Container
V1	Vessel Identification	New Segment
V102	Vessel Name	
R4	Port or Terminal	New Segment
R401	Port or Terminal Function Code	'O' Origin
R402	Location Qualifier	'UN' United Nations Location Code (UNLOCODE)
R403	Location Identifier	United Nations Location Code for the point of origin. If you do not have a UNLOC code for the point of origin, please email the KB Logistics department at traffic@kbtoys.com for instructions.



The Advance Ship Notice (Ship Notice / Manifest)

The use of the Advance Ship Notice (ASN) provides KB toys with advance data on shipments to our warehouses so workloads and receipt processing can be better planned, and so that discrepancies between orders and shipments can be corrected prior to the arrival of merchandise. The key word is “advance”. The latest that vendors must send the Ship Notice is at the time the truck leaves the shipping dock. In practice the ship notice must arrive at KB toys before the shipment.

KB toys will only accept a shortened version of the standard carton pack structure for the (856) ASN. The Standard Carton Pack ASN layout has been modified and simplified to save network transmission costs for you and KB toys, as well as facilitate trading with KB toys.

- KB toys has identified three hierarchical levels for use within the ASN transaction set. Only the Shipment, Order, and Item levels will be accepted in the Detail section of the ASN.

<u>Name</u>	<u>Code</u>	<u>Description</u>
SHIPMENT	S	Data that applies to the whole shipment, such as bill of lading number, lading quantity, vendor code, etc.
ORDER	O	Data related to the sender’s order and the associated receiver’s original purchase order.
ITEM	I	SKU identification data. If identical SKUs are packed using unidentifiable inner packs (i.e. four six-packs to a case) this can be related at this level. The pack information should be sent within this level (PO4 segment).

- When the Pack level is not sent, the following segments **must** be sent on the Item level.
 - PO4 (Number of Inner Packs and Item Quantity in each Inner)
 - TD1 (Number of Cartons for the Item)
- The 856 hierarchical structure code (BSN05) must identify the alternative standard carton layout. The value should be a “0004”.
- The Universal Product Code (UPC) will be optional (LIN04/LIN05).

This format will allow you to send the best information possible to KB toys in the most cost-efficient manner. Thank you for your continued cooperation. If you have any questions please contact the EDI staff: KB_EDI@connectivecommerce.com - (413) 499-5232 Ext. 305.



KB toys ASN Processing Requirements & Implementation Procedures

- It is a KB toys business requirement that vendors must notify the DCs prior to receipt of merchandise. The options are to fax notification, or to implement the EDI 856 transaction set. If you wish to fax, a blank form is available on page 6 of the Domestic Shipping Policies & Procedure and Routing Guide.
- The 856 ASN must meet ANSI X12 standards, follow VICS conventions as closely as possible, and KB toys EDI Transaction Set Mappings.
- During the testing/parallel phase, the following data-related errors will be checked and can delay the move into production:
 - PO Already Received (late ASN), Over Shipment, No Open PO Quantity, PO Cancelled, Invalid PO Number, Invalid Pack, Invalid Item (Catalog Buyers Number).
- Three consecutive EDI transactions must be received and processed without error. This arrangement may be modified at KB toys' discretion based on the specific circumstances of the testing period. If the vendor cannot meet KB's requirements within a reasonable time frame, or within a reasonable number of transactions, KB toys may terminate the EDI implementation process and require the vendor to continue faxing.
- The 856 ASN must be sent from the vendor's application to their VAN shortly after the carrier's departure to ensure that the ASN arrives at KB toys before the physical shipment.
- The 856 ASN is only required on shipments to KB toys warehouse locations. A listing is available on page 12 of the Domestic Shipping Policies & Procedure and Routing Guide. Drop ship orders to individual stores as well as LC (foreign) orders do not require an ASN and will not be accepted on-going.
- The 856 ASN Number (BSN02) must be a unique number (even if the same ASN has to be transmitted multiple times due to errors). We recommend that the Purchase Order number is NOT used as the BSN02 value.
- If problems or errors arise in the vendor's EDI transactions while in test or parallel status, the vendor will be notified and expected to take corrective action immediately.
- All Vendor Compliance related questions should be addressed to the KB Vendor Relations contact. A listing is available on page 10 of the Domestic Shipping Policies & Procedure and Routing Guide

Once KB toys confirms that the vendor can move to production with the EDI ASN, the fax copy can be discontinued. Also, the ISA15 test indicator should be changed to "P" (Production) unless otherwise notified by KB toys EDI personnel.

NOTE: If problems or errors arise in your EDI transactions AFTER you are moved to production status, you will be notified and expected to take corrective action immediately. You will be notified of errors by the Manager of Vendor Compliance and may be responsible for charge backs payable to KB toys.



**Advance Ship Notice (856) Transaction Set
ANSI X12 - Version 004010
Alternative Standard Carton Pack Structure - Short ASN**

The following pages will cover the segments and elements necessary to send an EDI Advance Ship Notice to KB toys.

Header Area

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

Detail Area

Shipment Level	Loop	Segment Name
HL		Start of Shipment Level
TD1		Transportation Packaging, Weight, and Total Cartons
TD5		Carrier Details (Routing Sequence & Transit Time)
TD3		Carrier Details (Equipment)
REF		Bill of Lading Number
REF		Carrier Reference Number (PRO Number)
REF		Container Load Type
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
V1 -----+ 		Vessel Identification
R4 -----+		Port or Terminal

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



Item Level	Loop	Segment Name
HL		Start of Item Level
LIN -----+		KB toys MFG/Stock and UPC Code
SN1		Item 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

Summary Area

Segment ID	Loop	Segment Name
CTT		Transaction Totals
SE		Transaction Set Trailer



Advance Ship Notice (856) Transaction Set (V004010)

Header Segments

Segment ID / Elem	Ref#	Name	ANSI X12 Standard	KB Toys Requirements	Comments / Codes
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ST		Transaction Set Header	M		M	
ST01	143	Transaction Set Id	M ID	03/03	M	'856'
ST02	329	Transaction Set Ctl. No.	M AN	04/09	M	Sequential Control Number

BSN		Beginning Segment	M		M	
BSN01	353	Transaction Set Purpose Code	M ID	02/02	M	'00' Original
BSN02	396	Shipment Identification	M AN	02/30	M AN 7/25	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

Detail Segments - Shipment Level

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	080	Lading Quantity	C N0	01/07	M	Total cartons in TD101
TD106	187	Weight Qualifier	O ID	01/02	M	'G' Gross Weight
TD107	081	Weight	C R	01/10	M	
TD108	355	Unit of Measure Code	C ID	02/02	M	'LB' Pounds
TD109	183	Volume	C R	01/08	O	
TD110	355	Unit of Measure Code	C ID	02/02	O	"CF" Cubic Feet "CR" Cubic Meter

Note:

The TD109 and TD110 are optional, but conditional on one another if you send them. The TD109 cannot be sent without the TD110.



Detail Segments - Shipment Level (continued)

Segment ID / Elem	Ref#	Name	ANSI X12 Standard	KB Toys Requirements	Comments / Codes	
TD5		Carrier Details	O		M	
TD502	066	Identification Code Qualifier	C ID	01/02	M	'2" Standard Carrier Alpha Code
TD503	067	Identification Code	C AN	02/80	M AN 02/04	SCAC Code
TD504	091	Transportation Method/Type Code	C ID	01/02	M ID 01/01	'A' Air 'L' Contract Carrier 'M' Motor Carrier 'R' Rail '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	
TD3		Carrier Details (Equipment)	O		M	
TD302	206	Equipment Initial	O AN	01/04	M	
TD303	207	Equipment Number	C AN	01/10	M	
TD310	24	Equipment Type	C ID	04/04	O	22GP - 20' Standard Dry 42GP - 40' Standard Dry L2GP - 45' Standard Dry M2GP - 48' Standard Dry P2GP - 53' Standard Dry 45GP - 40' High Cube Dry L5GP - 45' High Cube Dry 45RE - 40' High Cube Reefer 42HR - 40' Non Operating Reefer M2G4 - 48' Trailer P2G4 - 53' Trailer 0000 - Unspecified (Air, LTL)

Note:

For LTL shipments the value in the TD302 should be "Air" or "LTL", the value in the TD303 should be "Shipment", and the value in the TD310 should be "0000" to indicate unspecified (Air, LTL).



Detail Segments - Shipment Level (continued)

Segment ID / Elem	Ref#	Name	ANSI X12 Standard	KB Toys Requirements	Comments / Codes
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REF		Reference Numbers	O		O	
REF01	128	Ref. No. Qualifier	M ID	02/03	M ID 02/02	'BM' Bill of Lading No.
REF02	127	Reference Number	C AN	01/30	M AN 01/30	

Note:

The Bill of Lading number should be sent for FTL shipments. [We must receive either the Bill of Lading number or the PRO number.](#)

REF		Reference Numbers	O		O	
REF01	128	Ref. No. Qualifier	M ID	02/03	M ID 02/02	'CN' Carrier's Reference Number (PRO Number)
REF02	127	Reference Number	C AN	01/30	M AN 01/30	

Note:

The PRO Number should be sent for LTL shipments. [We must receive either the PRO number or Bill of Lading number.](#)

REF		Reference Numbers	O		M	
REF01	128	Ref. No. Qualifier	M ID	02/03	M ID 02/02	'ZZ' Mutually Defined
REF03	352	Description	C AN	01/80	M AN 01/03	'LTL' Less than full Trailer / Container 'FTL' Full Trailer / Container

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	

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	

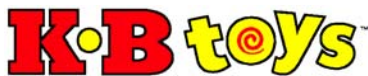


Detail Segments - Shipment Level (continued)

Segment ID / Elem	Ref#	Name	ANSI X12 Standard		KB Toys Requirements	Comments / Codes
FOB		F.O.B. Related Instructions	O		M	
FOB01	146	Shipment Method 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	098	Entity ID Code	M ID	02/03	M ID 02/02	'ST' Ship To
N102	093	Name	C AN	01/60	O	KB toys DC Location
N103	066	ID Code Qual	C ID	01/02	M	'92' Assigned by Buyer
N104	067	ID Code	C AN	02/80	M N0 04/04	KB toys DC Number (See KB toys Implementation Guide)
N1		Name	O		M	
N101	098	Entity ID Code	M ID	02/30	M ID 02/02	'SF' Ship From
N102	093	Name	C AN	01/60	M	Vendor Name
N4		Geographic Location	O		M	
N401	019	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	026	Country Code	O ID	02/03	O ID 02/02	Ship From Country Code
V1		Vessel Identification	M		M	
V102	182	Port or Terminal Function Code	C AN	02/28	M	Vessel Name

Note:

For Domestic shipments please send the word "Domestic" in the V102, and use the R4 segment to send the United Nations Location Code



Detail Segments - Shipment Level (continued)

Segment ID / Elem	Ref#	Name	ANSI X12 Standard		KB Toys Requirements	Comments / Codes
R4		Port or Terminal	O		M	
R401	115	Port or Terminal Function Code	M ID	01/01	M	'O' Origin
R402	309	Location Qualifier	C ID	01/02	M	'UN' United Nations Location Code (UNLOCODE)
R403	310	Location Identifier	C AN	01/30	M	United Nations Location Code for the point of origin.

Note:

The code in the R403 should be 5 characters, with no spaces in between the country and city code. For example USFFS.

Detail Segments - Order Level

HL		Hierarchical Level	M		M	
HL01	628	Hierarchical ID Number	M AN	01/12	M	See Note
HL02	734	Hierarchical Parent ID No.	O AN	01/12	M	See Note
HL03	735	Hierarchical Level Code	M ID	01/02	M	'O' Order

Notes:

- (1) 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.
- (2) 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	C AN	01/30	M AN 04/04	KB toys Internal Vendor No. (See KB toys Implementation Guide)



Detail Segments - Item Level

HL		Hierarchical	M		M	
HL01	628	Hierarchical ID Number	M AN	01/12	M	See Note
HL02	734	Hierarchical Parent ID No.	O AN	01/12	M	See Note
HL03	735	Hierarchical Level Code	M ID	01/02	M	'I' Item

Notes:

- (1) 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.
- (2) 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 Order Line Item Number
LIN02	235	Product ID Qualifier	M ID	02/02	M	'CB' Buyer's Catalog No. (KB toys MFG/Stock)
LIN03	234	Product ID	M AN	01/48	M N0 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 01/12	

SN1		Item Detail	O		M	
SN102	382	Number of Units Shipped	M R	01/10	M R 01/9	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

Note:

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

PO4		Item Physical Details	O		M	
PO401	356	Pack	O N0	01/06	M	Quantity of SKUs in the Inner Pack
PO402	357	Size	C R	01/08	M	Number of Inner Packs
PO403	355	Unit of Measure Code	C ID	02/02	M	'PC' Pieces 'EA' Each



Detail Segment - Item Level (continued)

Segment ID/EI	Ref#	Name	ANSI X12	KB Toys	Comments / Codes	
TD1		Carrier Details	O		M	
TD101	103	Packaging Code	O AN	03/05	M	'CTN25' Corrugated Carton
TD102	080	Lading Quantity	C N0	01/07	M	Total cartons in TD101 for the Item

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

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.

Summary Segments

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	096	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
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