



**SUPPLY CHAIN
PURCHASE ORDER CHANGE**

EDI IMPLEMENTATION GUIDE

X12 VERSION 4010 – 860 TRANSACTION SET

May 7, 2003



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1.0	October 28, 2002	C. Covell	Initial draft of document.
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Introduction

This EDI Implementation Guide defines the format and data content of the EDI Purchase Order Change that KB toys will trade with its Suppliers.

This Implementation Guide is based upon ANSI ASC X12 version 4010. The Purchase Order Change is the X12 860 transaction set. Should a Trading Partner prefer to utilize a different X12 version for the Purchase Order Change, please contact KB toys's EDI team: KB_EDI@connectivecommerce.com.

It is KB toys's intention to utilize the Purchase Order Change to advise changes to both order and detail levels of the purchase order. At the header level, KB toys will always send the following segments: BCH, REF (containing the four digit vendor number), and PER segment. Any additional information that is sent at the header level will be only those items that have changed. At the detail level KB toys will send only those items that have changed.

The first step in the implementation of an EDI Purchase Order Change would be a joint review of this EDI Implementation Guide, involving the Supplier and the KB toys EDI Team. The 860 transaction set, as with any EDI transaction set, contains both mandatory and optional data. The Supplier and KB toys will need to agree on the use of all the proposed data elements.

The data content of the EDI Purchase Order Change will be driven by the business requirements of both KB toys and its Suppliers. As such, the initial review of this EDI Implementation Guide may raise certain business issues that will need to be addressed in order to successfully implement this transaction set. These business issues include (but are not necessarily limited to):

1. Timely processing of the Purchase Order Change.
2. Ensuring vendor data maintained by KB toys (such as vendor product codes, units of measure, unit prices, etc.) are kept in synchronization with the Supplier.
3. Supplier's ability to reconcile changed line items with original Purchase Order.



Structure of the 860 Transaction Set

860 Purchase Order Change

Header

<u>POS.</u>	<u>TAG</u>	<u>NAME</u>	<u>STATUS</u>	<u>REPEAT</u>	<u>LOOP REPEAT</u>
010	ST	Transaction Set Header	M	1	
020	BCH	Beginning Segment for Purchase Order Change	M	1	
050	REF	Reference Number (vendor number)	M	>1	
060	PER	Administrative Communications Contact	O	3	

GROUP N1		O	200
300	N1	Name	O 1

080	FOB	F.O.B Related Instructions	O >1
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GROUP SAC		O	25
120	SAC	Service, Promotion, Allowance, or Charge Information	M 1

130	ITD	Terms of Sale/Deferred Terms of Sale	O 5
150	DTM	Date/Time Reference	O 10

GROUP N9		O	1000
285	N9	Reference Identification	M 1
290	MSG	Message Text	O 1000

(Detail level continued on next page)



Detail

<u>POS.</u>	<u>TAG</u>	<u>NAME</u>	<u>STATUS</u>	<u>REPEAT</u>	<u>LOOP REPEAT</u>
	GROUP POC		O		>1
010	POC	Line Item Change	M	1	
	GROUP PID		O		1000
050	PID	Product / Item Description	M	1	
090	PO4	Item Physical Details	O	>1	
200	DTM	Date/Time Reference	O	10	
200	DTM	Date/Time Reference	O	10	

Summary

<u>POS.</u>	<u>TAG</u>	<u>NAME</u>	<u>STATUS</u>	<u>REPEAT</u>	<u>LOOP REPEAT</u>
	GROUP CTT		O		1
010	CTI	Transaction Totals	M	1	
030	SE	Transaction Set Trailer	M	1	

CTT segment note: Number of line items (CTT01) is the accumulation of the number of POC segments.



Table / Loop Usage within the 860 Transaction Set

Header Level

The Header level (Table 1) is intended to provide information that pertains to the entire Purchase Order Change. This includes information such as the original purchase order number & date.

There are two looping structures within the Header level. The first loop is the [SAC](#) loop. This loop is intended to provide allowance or charge information. The second loop is the Group N9. This loop includes the [N9](#) and [MSG](#) segments used to communicate special instructions.

Detail Level

The Detail level (Table 2) is intended to provide line item change information. This includes information such as quantity ordered, unit price, and vendor product codes.

There are two looping structures within the Detail level. The first loop is the [POC](#) loop. This loop includes the POC segment, which contains the new/changed/deleted line item information, The [PO4](#) segment (which is intended to provide the pack information), and the [DTM](#) segment (which is intended to provide Ship Date information).

The other looping structure is the [PID](#) loop, which is subordinate to the POC loop. The PID loop is intended to provide product descriptions

Summary Level

The Summary level (Table 3) is intended to provide a Line Item Count for the entire Purchase Order Change.



Segment / Element Data Content

This section of the EDI Implementation Guide details the specific usage of segments and data elements for the 860 transaction set. Within a specific segment, such as the BCH segment, specific values for the data elements are provided. This Implementation Guide is not intended to provide all the possible X12 element values, but rather the ones that KB toys will use for this transaction set.

ST Transaction Set Header

Level:	Position:	Loop:	Status:
Header	010	N/A	Mandatory

Purpose: To indicate the start of a transaction set and to assign a control number.

ST01 Transaction Set Identification Code **M** **ID** **3/3**
 860 Purchase Order Change

ST02 Transaction Set Control Number **M** **AN** **4/9**
 A transaction set identification number that is unique within a specific Functional Group.

BCH Beginning Segment for Purchase Order Change

Level:	Position:	Loop:	Status:
Header	020	N/A	Mandatory

Purpose: To indicate the beginning of the Purchase Order Change transaction set and transmit identifying numbers and dates.

BCH01 Transaction Set Purpose Code **M** **ID** **2/2**
 01 Cancel
 04 Change

BCH02 Purchase Order Type Code **M** **ID** **2/2**
 SA Stand-alone Order

BCH03 Purchase Order Number **M** **AN** **1/22**
 The Purchase Order number that KB toys assigned to the original Purchase Order.

[\(BCH segment continued on next page\)](#)



PER Administrative Communications Contact

Level:	Position:	Loop:	Status:
Header	060	N/A	Mandatory

Purpose: To identify a person or office to whom administrative communication should be directed.

This segment provides the Buyer's contact information.

PER01 Contact Functional Code	M	ID	2/2
BD Buyer Name or Department			
PER02 Name	M	AN	1/60
Buyer Name			

N1 Name

Level:	Position:	Loop:	Status:
Header	300	N1	Optional

Purpose: To identify a party by type of organization, name, and code

N101 Entity ID Code	M	ID	2/2
ST Ship To			
N102 Name	C	AN	1/30
KB toys DC or Store Name			
N103 ID Code Qualifier	C	ID	1/2
92 Assigned by Buyer or Buyer's Agent			
N104 ID Code	C	AN	4/4
KB toys DC or Store Number			



FOB F.O.B Related Instructions

Level:	Position:	Loop:	Status:
Header	080	N/A	Optional

Purpose: To specify transportation instructions relating to shipment

FOB01 Shipment Method of Payment M ID 2/2

- CC Collect / Collect International
- CF Collect, Freight Credited Back to Vendor
- PC Prepaid but Charged to Customer
- PP Prepaid / Prepaid International

FOB02 Locations Qualifier C ID 1/2

- CA Country of Origin
- CC FOB Country
- CI FOB City
- ZZ City of Origin

FOB03 Description O AN 1/80

SAC Service, Promotion, Allowance, or Charge Information

Level:	Position:	Loop:	Status:
Header	120	SAC	Optional

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

SAC01 Allowance or Charge Indicator M ID 1/1

- A Allowance

SAC02 Allowance or Charge Code C ID 4/4

- A260 Advertising Allowance
- C000 Defective Allowance
- C540 Early Buy Allowance
- D240 Freight Allowance

[\(SAC segment continued on next page\)](#)



- F050 Other (See related description in SAC15)
- F670 Price & Marketing Allowance (Mark down per piece)
- F800 Promotional Allowance (Mark Down)
- I170 Trade Discount
- I530 Volume Discount

SAC05 Amount	M	N2	1/15
SAC06 Allowance/Charge % Qualifier	C	ID	1/1
1 Item List (Gross) Cost			
2 Item Net Cost			
Z Mutually Defined			
SAC07 Allowance/Charge %	C	R	1/6
SAC15 Description	O	AN	1/80
Description for F050 'Other' in SAC02			

ITD Terms of Sale

Level:	Position:	Loop:	Status:
Header	130	N/A	Optional

Purpose: To specify terms of sale

ITD12 Description	O	AN	1/80
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DTM Date / Time Reference

Level:	Position:	Loop:	Status:
Header	150	N/A	Optional

Purpose: To specify pertinent dates and times

DTM01 Date Time Qualifier	M	ID	3/3
001 Cancel After Date			
DTM02 Date	C	DT	8/8



N9 Notes

Level:	Position:	Loop:	Status:
Header	285	N/A	Optional

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

N901	Qualifier	M	ID	2/3
	ZZ Mutually Defined			
N902	Free Form Description	C	AN	1/30

MSG Notes / Special Instructions

Level:	Position:	Loop:	Status:
Header	290	Group N9	Optional

Purpose: To provide a free-form format that allows the transmission of text information

MSG01	Free Form Message Text	M	AN	1/264
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POC Line Item Change

Level:	Position:	Loop:	Status:
Detail	010	POC	Optional

Status: POC loop is optional. If the POC loop is used, the POC segment is mandatory

Purpose: To specify changes to a line item.

POC01	Assigned Identification	O	AN	1/20
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Line item number.

[\(POC segment continued on next page\)](#)



POC02 Change or Reason Type Code **M ID 2/2**

The following changes to line items can be indicated in the POC segment:

- AI – Add Item
- RZ – Replace All Values will be used if POC is resent. It will be a duplicate of the previous POC received.
- DI – Delete Line Item
- QI – Quantity Increase
- QD – Quantity Decrease
- CA – Change to Pack Information
- PC – Price Change
- CT – Change to either date

For an additional line item, the POC segment will contain all the line item detail. For a deleted line item, the POC segment will contain the line item detail from the line item to be cancelled.

POC03 Quantity Ordered **O R 1/15**

Quantity Ordered, or previously revised Quantity Ordered.

If a quantity is increased or decreased this element will contain the original quantity ordered (or if changes have previously been made to the original quantity this element will contain the revised quantity).

If a line item is being added this element will contain a zero.

If a line item is being deleted this element will contain the original quantity ordered (or if changes have previously been made to the original quantity this element will contain the revised quantity). **Note – If the PO change relates to an Internet order this element will contain a zero.

POC04 Quantity to Receive **C R 1/9**

Change value

If there has been a change to the quantity ordered, this element will contain the new total order quantity after the change has been applied

If a line item is being added this element will contain the quantity for the new item.

If a line item is being deleted this element will contain a zero.

POC05 Unit of Measure **M ID 2/2**

Unit of measure code or the revised UOM.

POC06 Unit Price **M R 1/17**

Unit price, or the revised Unit price.

(POC segment continued on next page)



PO4 Product / Item Description

Level:	Position:	Loop:	Status:
Detail	090	POC	Optional

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

When a line item is being added or deleted, this segment will be utilized to provide the pack information.
 If there is a change to the item quantity, this segment may be provided if the nature of the change extends to the pack information.

- P0401 Pack** **M NO 1/6**
 Number of Inner Packs in the Master Pack
 (If there is no Inner Pack, then PO401 = "1")
- P0402 Size** **M R 1/8**
 Quantity of SKUs within the Inner Pack
 (If there is no Inner Pack, then PO402 = Quantity of SKUs within the Master Pack)
- P0402 Unit of Measure** **M ID 2/2**
 EA Each

DTM Date / Time Reference

Level:	Position:	Loop:	Status:
Detail	200	POC	Optional

Purpose: To specify pertinent dates and times.

When a line item is being added or deleted, this segment will be utilized to provide the Requested Delivery Date.

- DTM01 Date/Time Qualifier** **M ID 3/3**
 002 Delivery Requested
- DTM02 Date** **M DT 8/8**
 The Delivery Date requested by KB toys, in YYYYMMDD format.

