



**SUPPLY CHAIN
PURCHASE ORDER CHANGE**

EDI IMPLEMENTATION GUIDE

X12 VERSION 4010 – 860 TRANSACTION SET

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Document Status

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Introduction

This EDI Implementation Guide defines the format and data content of the EDI Purchase Order Change that eToys 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 eToys's EDI team: eToys.EDI@easylink.com.

Field Code Changed

It is eToys'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, in addition to the BCH segment, eToys will always re-send all of the information previously communicated in the REF, PER, FOB, SAC, ITD, DTM and N1 segments. Some of this information might be changed while other header information will be the same. Any additional information that is sent at the header level will be only those items that have changed. At the detail level eToys 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 eToys EDI Team. The 860 transaction set, as with any EDI transaction set, contains both mandatory and optional data. The Supplier and eToys 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 eToys 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 eToys (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

| POS. | TAG | NAME | STATUS | REPEAT | LOOP REPEAT |
|------------------|---------------------|---|----------|--------|-------------|
| 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 | |
| 080 | FOB | F.O.B Related Instructions | O | >1 | |
| 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 | |
| GROUP N1 | | | O | | 200 |
| 300 | N1 | Name | O | 1 | |



(Detail level continued on next page)

| Detail | | | | | |
|---------------|---------------------|----------------------------|----------|--------|--------------|
| POS. | TAG | NAME | STATUS | REPEAT | LOOP REPEAT |
| | 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 | | | | | |
|----------------|---------------------|-------------------------|----------|--------|-------------|
| POS. | TAG | NAME | STATUS | REPEAT | LOOP REPEAT |
| | GROUP CTT | | O | | 1 |
| 010 | CTT | 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 eToys 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

Note: If BCH01 contains 01 it means that the whole PO is cancelled.

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 eToys assigned to the original Purchase Order.

| | | | |
|--|----------|-----------|------------|
| BCH05 Change Order Sequence Number | O | AN | 1/8 |
| eToys-assigned Purchase Order Revision number. | | | |
| BCH06 Date | M | DT | 8/8 |
| Date of Original Purchase Order, in YYYYMMDD format. | | | |
| BCH11 Date | M | DT | 8/8 |
| Date of the Purchase Order Change Request, in YYYYMMDD format. | | | |

REF Reference Numbers

| Level: | Position: | Loop: | Status: |
|--------|-----------|-------|-----------|
| Header | 050 | N/A | Mandatory |

Purpose: To specify identifying information.

This segment provides the four-digit vendor number assigned by eToys

| | | | |
|-------------------------------|----------|-----------|------------|
| REF01 Ref No Qualifier | M | ID | 2/2 |
| IA Internal Vendor Number | | | |
| REF02 Reference Number | C | AN | 1/4 |
| eToys assigned vendor number | | | |

REF Reference Numbers

| Level: | Position: | Loop: | Status: |
|--------|-----------|-------|----------|
| Header | 050 | N/A | Optional |

Purpose: To specify identifying information.

This segment provides the letter of credit number assigned by eToys

| | | | |
|-------------------------------|----------|-----------|------------|
| REF01 Ref No Qualifier | M | ID | 2/2 |
|-------------------------------|----------|-----------|------------|



LC Letter of Credit Number
REF02 Reference Number C AN 1/30
 Letter of Credit Number

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 O AN 1/60
 Buyer Name
PER03 Comm Number Qualifier C ID 2/2
 TE Telephone Number
PER04 Comm Number C AN 1/80
 Contact's telephone 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

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 |
|--------------|-------------------------------|----------|-----------|--------------|

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 |
| | eToys DC Name | | | |
| N103 | ID Code Qualifier | C | ID | 1/2 |



92 Assigned by Buyer or Buyer's Agent

N104 ID Code C AN 4/4
eToys DC '0998'

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
Line item number.

POC02 Change or Reason Type Code M ID 2/2

The following changes to line items can be indicated in the POC02 Element:

- 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.



POC09 Product/Service ID M AN 5/48
 Vendor's Item Number.

If there has been a change to the Vendor item number, this element will contain the revised Vendor item number. If there has been no change to Vendor item number, of if this line item is being added/deleted, this element will contain the original Vendor item number.

POC10 Product/Service ID Qualifier O ID 2/2
 CB Buyer's Catalog Number

POC11 Product/Service ID O AN 1/48
[MFG/Stock Number](#)

POC12 Product/Service ID Qualifier O ID 2/2
[SK Stock Keeping Unit](#)

POC13 Product/Service ID O AN 1/48
[eToys Short SKU Number](#)

PID Product / Item Description

| Level: | Position: | Loop: | Status: |
|--------|-----------|-------|----------|
| Detail | 050 | POC | Optional |

Status: PID loop is optional. If the PID loop is used, the PID segment is mandatory.
 Purpose: To describe a product or process in coded or free form format.

When a line item is being added or deleted, this segment will be utilized to provide the product description.

PID01 Item Description Type M ID 1/1
 F Free Form

PID05 Description M AN 1/80
 Product description.



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 eToys, in YYYYMMDD format.

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 Ship Date.

DTM01 Date/Time Qualifier **M ID 3/3**
 010 Requested Ship Date

DTM02 Date **M DT 8/8**
 The Requested Ship Date requested by eToys, in YYYYMMDD format.

CTT Transaction Totals

| Level: | Position: | Loop: | Status: |
|---------|-----------|-------|-----------|
| Summary | 010 | CTT | Mandatory |

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

Purpose: To transmit a hash total for a specific element in the transaction set.

CTT01 Number of Line Items **M NO 1/6**
 Count of the number of line items in this Purchase Order Change.

SE Transaction Set Trailer

| Level: | Position: | Loop: | Status: |
|---------|-----------|-------|-----------|
| Summary | 030 | N/A | Mandatory |

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).



| | | | | |
|-------------|---|----------|-----------|-------------|
| SE01 | Number of Included Segments | M | NO | 1/10 |
| | Count of the number of segments in the transaction set, including the ST and SE segments. | | | |
| SE02 | Transaction Set Control Number | M | AN | 4/9 |
| | Same value as the ST02 element. | | | |

[eToys EDI 860 example:](#)

[ST*860*0000](#)

[BCH*04*SA*0196978**2*20080416*****20080815](#)

[REF*IA*1234](#)

[PER*BD*Meyer, Jim*TE*4132364312](#)

[FOB*PP](#)

[ITD*****Net 30 Days](#)

[DTM*001*20081022](#)

[N1*ST*Blairs*92*0998](#)

[POC*1*CA*1800*0*EA*6**UP*653569350934*CB*123487995*SK*123456](#)

[PO4*1*1*EA](#)

[POC*1*PC*1800*0*EA*7**UP*653569350934*CB*123487995*SK*123456](#)

[CTT*2](#)

[SE*13*0000](#)