



Electronic Components Industry Association Guideline

EDI Transaction Set 860 Purchase Order Change Request - Buyer Initiated

X12 Version 4010

February 2012

ECIA's EDI Committee has reviewed this transaction set and made modifications that will benefit the electronics industry by simplifying the transaction focusing on industry specific needs.

860 Purchase Order Change Request - Buyer Initiated

Functional Group ID=**PC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	M	1		
4	020	BCH	Beginning Segment for Purchase Order Change	M	M	1		
6	080	FOB	F.O.B. Related Instructions	O		1		
LOOP ID - N1							200	
7	300	N1	Name	O		1		
8	310	N2	Additional Name Information	O		2		
9	320	N3	Address Information	O		2		
10	330	N4	Geographic Location	O		>1		
11	340	REF	Reference Identification	O		12		
12	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O		12		

Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - POC							>1	
13	010	POC	Line Item Change	O		1		
15	100	REF	Reference Identification	O		>1		
LOOP ID - SCH							200	
16	295	SCH	Line Item Schedule	O		1		

Summary:

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LOOP ID - CTT							1	
17	010	CTT	Transaction Totals	O		1		n2
18	030	SE	Transaction Set Trailer	M	M	1		

Transaction Set Notes

Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3	M
		860 – Purchase Order Change		
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 A sequential number assigned by the Sender	M AN 4/9	M

Segment: **BCH** Beginning Segment for Purchase Order Change
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BCH06 is the date assigned by the purchaser to purchase order.
 - 2 BCH09 is the seller's order number.
 - 3 BCH10 is the date assigned by the sender to the acknowledgment.
 - 4 BCH11 is the date of the purchase order change request.

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
BCH01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 01 – Cancellation 04 – Change Order	M ID 2/2	M
BCH02	92	Purchase Order Type Code Code specifying the type of Purchase Order CP – Change to Purchase Order	M ID 2/2	M
BCH03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22	M
BCH04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction Not used	O AN 1/30	
BCH05	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8	
BCH06	373	Date Date expressed as CCYYMMDD Purchase Order Date	M DT 8/8	M
BCH07	326	Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number) Not used	O AN 1/45	
BCH08	367	Contract Number Contract number Not used	O AN 1/30	
BCH09	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Supplier Sales Order Number	O AN 1/30	
BCH10	373	Date Date expressed as CCYYMMDD Not used	O DT 8/8	

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BCH11

373

Date

O DT 8/8

Date expressed as CCYYMMDD

P.O. Change Request Date

Note: Elements BCH12 through BCH16 are not used.

Segment: FOB F.O.B. Related Instructions

Position: 080

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes: 1 If FOB03 is present, then FOB02 is required.

2 If FOB04 is present, then FOB05 is required.

3 If FOB07 is present, then FOB06 is required.

4 If FOB08 is present, then FOB09 is required.

Semantic Notes: 1 FOB01 indicates which party will pay the carrier.

2 FOB02 is the code specifying transportation responsibility location.

3 FOB06 is the code specifying the title passage location.

4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Usage Notes: This segment may be used or omitted

Data Element Summary

Ref.	Data		Base	User
Des.	Element	Name	Attributes	Attributes
FOB01	146	Shipment Method of Payment	M ID 2/2	M
		Code identifying payment terms for transportation charges		
		PC – Prepaid but charge to buyer		
FOB02	309	Location Qualifier	X ID 1/2	
		Code identifying type of location		
		Not used		
FOB03	352	Description	O AN 1/80	
		A free-form description to clarify the related data elements and their content		
		Not used		
FOB04	334	Transportation Terms Qualifier Code	O ID 2/2	
		Code identifying the source of the transportation terms		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
FOB05	335	Transportation Terms Code	X ID 3/3	
		Code identifying the trade terms which apply to the shipment transportation responsibility		
		FOB		
FOB06	309	Location Qualifier	X ID 1/2	
		Code identifying type of location		
		DE –Destination		
		OR – Origin		
		FA - Factory		
FOB07	352	Description	O AN 1/80	
		A free-form description to clarify the related data elements and their content		
		Not used		

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FOB08	54	Risk of Loss Code	O	ID 2/2
		Code specifying where responsibility for risk of loss passes		
		Not used		
FOB09	352	Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		Not used		
Segment:		N1 Name		
Position:		300		
Loop:		N1 Mandatory		
Level:		Heading		
Usage:		Optional		
Max Use:		1		
Purpose:		To identify a party by type of organization, name, and code		
Syntax Notes:		1 At least one of N102 or N103 is required.		
		2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:				
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2 N105 and N106 further define the type of entity in N101.		
Usage Notes:		This segment may be used or omitted		

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code	M ID 2/3	M
		Code identifying an organizational entity, a physical location, property or an individual		
		ST – Ship To		
N102	93	Name	X AN 1/60	
		Free-form name		
		For Drop Ships only		
N103	66	Identification Code Qualifier	X ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		91 – Assigned by supplier		
		92 – Assigned by distributor		
N104	67	Identification Code	X AN 2/80	
		Code identifying a party or other code		
		If previous qualifier = ‘91’, Supplier’s code.		
		If previous qualifier = ‘92’, Distributor’s code		
N105	706	Entity Relationship Code	O ID 2/2	
		Code describing entity relationship		
		Not used		
N106	98	Entity Identifier Code	O ID 2/3	
		Code identifying an organizational entity, a physical location, property or an individual		
		Not used		

Segment: **N2** Additional Name Information
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N201	93	Name Free-form name	M AN 1/60	M
N202	93	Name Free-form name	O AN 1/60	

Note: This segment is only used for supplier drop ships to end customers.

Segment: **N3** Address Information
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55	M
N302	166	Address Information Address information	O AN 1/55	

Note: This segment is only used for supplier drop ships to end customers .

Segment:	N4 Geographic Location
Position:	330
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
Usage Notes:	2 N402 is required only if city name (N401) is in the U.S. or Canada. This segment may be used or omitted

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30	
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2	
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15	
N404	26	Country Code Code identifying the country	O ID 2/3	
N405	309	Location Qualifier Code identifying type of location	X ID 1/2	
		Not used		
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30	
		Not used		

Segment: **REF** Reference Identification
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Usage Notes: This segment may be used or omitted

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3	M
		PR – Price Quote		
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30	
REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80	
		Not used		
REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
		Not used		

Note: Other codes may be used in REF01 (element 128) besides that listed above. But, the codes must be mutually agreed upon before they are used.

	Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:		380
Loop:		N1 Optional
Level:		Heading
Usage:		Optional
Max Use:		12
Purpose:		To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:		<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 5 If TD513 is present, then TD512 is required. 6 If TD514 is present, then TD513 is required. 7 If TD515 is present, then TD512 is required.
Semantic Notes:		1 TD515 is the country where the service is to be performed.
Comments:		1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Usage Notes:		This segment may be used or omitted

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement O – Origin carrier Z – Mutually Defined	O ID 1/2	
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 – Standard Carrier Abbreviation Code (SCAC) 91 – Supplier’s assigned code 92 – Assigned by Buyer or Buyer’s agent 93 – Sender’s assigned code	X ID 1/2	
TD503	67	Identification Code Code identifying a party or other code Carrier Code	X AN 2/80	
TD504	91	Air Identification Code specifying the method or type of transportation for the shipment A – Air Code		

Segment: **POC** Line Item Change
Position: 010
Loop: POC Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify changes to a line item
Syntax Notes:

- 1 If POC03 is present, then both POC04 and POC05 are required.
- 2 If POC07 is present, then POC06 is required.
- 3 If either POC08 or POC09 is present, then the other is required.
- 4 If either POC10 or POC11 is present, then the other is required.
- 5 If either POC12 or POC13 is present, then the other is required.
- 6 If either POC14 or POC15 is present, then the other is required.
- 7 If either POC16 or POC17 is present, then the other is required.
- 8 If either POC18 or POC19 is present, then the other is required.
- 9 If either POC20 or POC21 is present, then the other is required.
- 10 If either POC22 or POC23 is present, then the other is required.
- 11 If either POC24 or POC25 is present, then the other is required.
- 12 If either POC26 or POC27 is present, then the other is required.

Semantic Notes: 1 POC01 is the purchase order line item identification.
Comments:
Usage Notes: This segment is mandatory

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
POC01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Line Number from Purchase Order	O AN 1/20	
POC02	670	Change or Response Type Code Code specifying the type of change to the line item DI – Delete – delete a complete line item from the purchase order MU – Multiple – multiple changes to a line item NC – No change – when the only change is to the purchase order header PC – Price change - price change of a line item PQ – Unit price / quantity change PR – Unit price / Reschedule change QD – Quantity decrease - quantity decrease will include schedule changes QI – Quantity increase - quantity increase will include schedule changes RQ – Reschedule / Quantity Change RS – Reschedule changes to delivery dates or delivery quantities with no change on the total item quantity	M ID 2/2	M
POC03	330	Quantity Ordered Quantity ordered	O R 1/15	
POC04	671	Quantity Left to Receive Quantity left to receive as qualified by the unit of measure	X R 1/9	
POC05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X	
C00101	355	Unit or Basis for Measurement Code	M ID 2/2	M

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		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
		IN Inch		
		FT Foot		
		CM Centimeter		
		MR Meter		
POC06	212	Unit Price	X	R 1/17
		Price per unit of product, service, commodity, etc.		
		Unit Price with maximum of five decimal places.		
POC07	639	Basis of Unit Price Code	O	ID 2/2
		Code identifying the type of unit price for an item		
		PE Price per Each		
		HP Price per Hundred		
		TP Price per Thousand		
POC08	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		BP – Buyer’s Part Number		
POC09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		Part Number		
POC10	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VP – Vendor’s Part Number		
POC11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		Part Number		

Note: Elements POC12 through POC27 are not used.

Segment: **REF** Reference Identification
Position: 100
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification CO – Customer Order DQ – Delivery Quote GC – Contract Number GP – Priority ZZ - Other	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30	
REF03	352	Description A free-form description to clarify the related data elements and their content Not used	X AN 1/80	
REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier Not used	O	

Note: Other codes may be used in REF01 (element 128) besides those listed above. But, the codes must be mutually agreed upon before they are used.

Segment: **SCH** Line Item Schedule
Position: 295
Loop: SCH Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes:

- 1 If SCH03 is present, then SCH04 is required.
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
- 3 If SCH09 is present, then SCH08 is required.
- 4 If SCH10 is present, then SCH08 is required.

Semantic Notes:

- 1 SCH12 is the schedule identification.

Comments:

- 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SCH01	380	Quantity Numeric value of quantity Remaining quantity	M R 1/15	M
SCH02	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 EA Each IN Inch FT Foot CM Centimeter MR Meter	M ID 2/2	M
SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Not used	O ID 2/3	
SCH04	93	Name Free-form name Not used	X AN 1/60	
SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 002 – Delivery Requested	M ID 3/3	M
SCH06	373	Date Date expressed as CCYYMMDD Delivery Date	M DT 8/8	M

Note: Elements SCH07 through SCH12 are not used.

Segment: **CTT** Transaction Totals

Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1

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

- Syntax Notes:**
- 1 If either CTT03 or CTT04 is present, then the other is required.
 - 2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6	M
CTT02	347	Hash Total Sum of quantities in element POC03	O R 1/10	

Note: Elements CTT03 through CTT07 are not used.

Segment: **SE** Transaction Set Trailer
Position: 030
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10	M
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	Transaction Set Control Number	M AN 4/9	M
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.		
		This number must match the transaction set control number (ST02) in the transaction set header segment.		

APPENDIX

Sample 860 Transaction Set

ISA*00* *00* *01* DISTY *ZZ*SUPPLIER *060719*0639*U*00401*000000585*0*T*|~
GS*PC*DISTY*SUPPLIER*20060719*0639*585*X*00401~
ST*860*5850001~
BCH*04*CP*H0504857118**00000003*20060530~
FOB*PC***02*FOB*FA*FACTORY~
N1*ST*AVNET*92*H050~
TD5*O*92*STD~
POC*9*RS*160*160*EA*26.1*PE*VP*040090~
SCH*160*EA***002*20060719~
CTT*1*160~
SE*13*5850001~
GE*1*585~
IEA*1*000000585~