



1205 Kimball Blvd
Jasper, IN 47546
812-634-4000

Purchase Order Change Acknowledgment (Seller Initiated)

EDI Transaction 865
Specifications X12
Standard 004010
Inbound to Kimball

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Table of Contents

1	Schema structure	3
2	Header Segments	4
2.1	ISA (Interchange Control Header)	4
2.2	GS (Functional Group Header)	6
2.3	ST (Transaction Set Header)	7
3	Message Segments	8
3.1	BCA_AD_AC_RD (Beginning Segment for Purchase Order Change Acknowledgment)	8
3.2	CUR_BY (Currency)	9
3.3	PER_SA_BD_RE (Administrative Communications Contact)	10
3.4	N1_BY (Name)	11
3.4.1	N1 (Name)	11
3.5	N1_ST (Name)	12
3.5.1	N1 (Name)	12
3.5.1.1	N2 (Additional Name Information)	13
3.5.1.2	N3 (Address Information)	13
3.5.1.3	N4 (Geographic Location)	13
3.6	N1_SF (Name)	14
3.6.1	N1 (Name)	14
3.7	POC_AI_RQ_DI_NC (Line Item Change)	15
3.7.1	POC (Line Item Change)	15
3.7.1.1	ACK (Line Item Acknowledgment)	17
3.7.1.1.1	ACK (Line Item Acknowledgment)	18
3.8	CTT_01_02 (Transaction Totals)	20
3.8.1	CTT (Transaction Totals)	20
4	Trailer Segments	20
4.1	SE (Transaction Set Trailer)	20
4.2	GE (Functional Group Trailer)	21
4.3	IEA (Interchange Control Trailer)	22
5	Example Files	23
5.1	X12 SAMPLE FILE PURCHASE CHANGE ACKNOWLEDGMENT	23



1 Schema structure

Name	Level	Max Occ.	Content
ISA	1	1	Interchange Control Header
GS	2	-1	Functional Group Header
ST	3	-1	Transaction Set Header
BCA_AD_AC_RD	4	1	Beginning Segment for Purchase Order
CUR_BY	4	1	Currency
PER_SA_BD_NE	4	3	Administrative Communications
N1_BY	4	200	Name
N1	5	1	Name
N1_ST	4	200	Name
N1	5	1	Name
N2	6	2	Additional Name Information
N3	6	2	Address Information
N4	6	1	Geographic Location
N1_SF	4	200	Name
N1	5	1	Name
POC_AI_RQ_IN_C	4	-1	Line Item Change
POC	5	1	Line Item Change
ACK	6	104	Line Item Acknowledgment
ACK	7	1	Line Item Acknowledgment
CTT_01_02	4	1	Transaction Totals
CTT	5	1	Transaction Totals
SE	4	1	Transaction Set Trailer
GE	3	1	Functional Group Trailer
IEA	2	1	Interchange Control Trailer



2 Header Segments

2.1 ISA (Interchange Control Header)

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment				
I01	Authorization Information Qualifier	M ID2/2	M ID2/2	Description: Code to identify the type of information in the Authorization Information Standard codelist for I01 is supported.				
I02	Authorization Information	O AN10/10	O AN10/10	Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
I03	Security Information Qualifier	M ID2/2	M ID2/2	Description: Code to identify the type of information in the Security Information Standard codelist for I03 is supported.				
I04	Security Information	O AN10/10	O AN10/10	Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
I05	Interchange ID Qualifier	M ID2/2	M ID2/2	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>	Code	Description	ZZ	Mutually Defined
Code	Description							
ZZ	Mutually Defined							
I06	Interchange Sender ID	M AN15/15	M AN15/15	Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
I05	Interchange ID Qualifier	M ID2/2	M ID2/2	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>	Code	Description	ZZ	Mutually Defined
Code	Description							
ZZ	Mutually Defined							
I07	Interchange Receiver ID	M AN15/15	M AN15/15	Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				



Label	Name	Standard	Impl	Comment				
I08	Interchange Date	M DT6/6	M DT6/6	Description: Date of the interchange				
I09	Interchange Time	M TM4/4	M TM4/4	Description: Time of the interchange				
I10	Interchange Control Standards Identifier	M ID1/1	M ID1/1	Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>U</td> <td></td> </tr> </tbody> </table>	Code	Description	U	
Code	Description							
U								
I11	Interchange Control Version Number	M ID5/5	M ID5/5	Description: Code specifying the version number of the interchange control segments <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>00401</td> <td></td> </tr> </tbody> </table>	Code	Description	00401	
Code	Description							
00401								
I12	Interchange Control Number	M N9/9	M N9/9	Description: A control number assigned by the interchange sender				
I13	Acknowledgment Requested	M ID1/1	M ID1/1	Description: Code sent by the sender to request an interchange acknowledgment (TA1) Standard codelist for I13 is supported.				
I14	Usage Indicator	M ID1/1	M ID1/1	Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Standard codelist for I14 is supported.				
I15	Component Element Separator	M AN1/1	M AN1/1	Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				



2.2 GS (Functional Group Header)

Purpose: To indicate the beginning of a functional group and to provide control information

Semantics: GS04 is the group date.

GS05 is the group time.

The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02. Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

This segment is mandatory here.

Max. occurrences is "unbound".

Label	Name	Standard	Impl	Comment				
479	Functional Identifier Code	M ID2/2	M ID2/2	Description: Code identifying a group of application related transaction sets <table border="0"> <tr> <td>Code</td> <td>Description</td> </tr> <tr> <td>CA</td> <td>Purchase Order Change Acknowledgment/Request - Seller Initiated</td> </tr> </table>	Code	Description	CA	Purchase Order Change Acknowledgment/Request - Seller Initiated
Code	Description							
CA	Purchase Order Change Acknowledgment/Request - Seller Initiated							
142	Application Sender's Code	M AN2/15	M AN2/15	Description: Code identifying party sending transmission; codes agreed to by trading partners				
124	Application Receiver's Code	M AN2/15	M AN2/15	Description: Code identifying party receiving transmission; codes agreed to by trading partners				
373	Date	M DT8/8	M DT8/8	Description: Date expressed as CCYYMMDD				
337	Time	M TM4/8	M TM4/8	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
28	Group Control Number	M N0/9	M N0/9	Description: Assigned number originated and maintained by the sender				
455	Responsible Agency Code	M ID1/2	M ID1/2	Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 <table border="0"> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>	X	Accredited Standards Committee X12		
X	Accredited Standards Committee X12							



Label	Name	Standard	Impl	Comment				
480	Version / Release / Industry Identifier Code	M AN1/12	M AN1/12	Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed <table border="0"> <tr> <td style="padding-right: 20px;">Code</td> <td>Description</td> </tr> <tr> <td>004010</td> <td></td> </tr> </table>	Code	Description	004010	
Code	Description							
004010								

2.3 ST (Transaction Set Header)

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

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

This segment is mandatory here.

Max. occurrences is "unbound".

Label	Name	Standard	Impl	Comment		
143	Transaction Set Identifier Code	M ID3/3	M ID3/3	Description: Code uniquely identifying a Transaction Set <table border="0"> <tr> <td style="padding-right: 20px;">865</td> <td>Purchase Order Change Acknowledgment/Request - Seller Initiated</td> </tr> </table>	865	Purchase Order Change Acknowledgment/Request - Seller Initiated
865	Purchase Order Change Acknowledgment/Request - Seller Initiated					
329	Transaction Set Control Number	M AN4/9	M AN4/9	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		



3 Message Segments

3.1 *BCA_AD_AC_RD (Beginning Segment for Purchase Order Change Acknowledgment)*

Purpose: To indicate the beginning of the Purchase Order Change Acknowledgment Transaction Set and transmit identifying numbers and dates Semantics: BCA06 is the date assigned by the purchaser to purchase order.

BCA09 is the seller's order number.

BCA10 is the date assigned by the sender to the acknowledgment.

BCA11 is the date of the purchase order change request.

BCA12 is the order change acknowledgment date.

This segment is mandatory here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment								
353	Transaction Set Purpose Code	M ID2/2	M ID2/2	Description: Code identifying purpose of transaction set <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> </tbody> </table>	Code	Description	00	Original				
Code	Description											
00	Original											
587	Acknowledgment Type	O ID2/2	M ID2/2	Description: Code specifying the type of acknowledgment <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>AD</td> <td>Acknowledge - With Detail, No Change</td> </tr> <tr> <td>AC</td> <td>Acknowledge - With Detail and Change</td> </tr> <tr> <td>RD</td> <td>Reject with Detail</td> </tr> </tbody> </table>	Code	Description	AD	Acknowledge - With Detail, No Change	AC	Acknowledge - With Detail and Change	RD	Reject with Detail
Code	Description											
AD	Acknowledge - With Detail, No Change											
AC	Acknowledge - With Detail and Change											
RD	Reject with Detail											
324	Purchase Order Number	M AN1/22	M AN1/22	Description: Identifying number for Purchase Order assigned by the orderer/purchaser								
328	Release Number	O AN1/30	O AN1/30	Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction								
327	Change Order Sequence Number	O AN1/8	O AN1/8	Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set								
373	Date	M DT8/8	M DT8/8	Description: Date expressed as CCYYMMDD								
326	Request Reference Number	O AN1/45	O AN1/45	Description: 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)								
367	Contract Number	O AN1/30	O AN1/30	Description: Contract number								



Label	Name	Standard	Impl	Comment
127	Reference Identification	O AN1/30	O AN1/30	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
373	Date	O DT8/8	O DT8/8	Description: Date expressed as CCYYMMDD
373	Date	O DT8/8	O DT8/8	Description: Date expressed as CCYYMMDD
373	Date	O DT8/8	O DT8/8	Description: Date expressed as CCYYMMDD
92	Purchase Order Type Code	O ID2/2	O ID2/2	Description: Code specifying the type of Purchase Order Standard codelist for _92 is supported.
786	Security Level Code	O ID2/2	O ID2/2	Description: Code indicating the level of confidentiality assigned by the sender to the information following Standard codelist for _786 is supported.
640	Transaction Type Code	O ID2/2	O ID2/2	Description: Code specifying the type of transaction Standard codelist for _640 is supported.

3.2 CUR_BY (Currency)

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Comments: See Figures Appendix for examples detailing the use of the CUR segment.

' Syntax Rules: C0807 : If CUR08 is present, then CUR07 is required. C0907 : If CUR09 is present, then CUR07 is required. L101112 : If CUR10 is present, then at least one of CUR11 or CUR12 is required. C1110 : If CUR11 is present, then CUR10 is required. C1210 : If CUR12 is present, then CUR10 is required. L131415 : If CUR13 is present, then at least one of CUR14 or CUR15 is required. C1413 : If CUR14 is present, then CUR13 is required. C1513 : If CUR15 is present, then CUR13 is required. L161718 : If CUR16 is present, then at least one of CUR17 or CUR18 is required. C1716 : If CUR17 is present, then CUR16 is required. C1816 : If CUR18 is present, then CUR16 is required. L192021 : If CUR19 is present, then at least one of CUR20 or CUR21 is required. C2019 : If CUR20 is present, then CUR19 is required. C2119 : If CUR21 is present, then CUR19 is required.

This segment is mandatory here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
98	Entity Identifier Code	M ID2/3	M ID2/3	Description: Code identifying an organizational entity, a physical location, property or an individual Code Description BY Buying Party (Purchaser)
100	Currency Code	M ID3/3	M ID3/3	Description: Code (Standard ISO) for country in whose currency the charges are specified
374	Date/Time Qualifier	O ID3/3	O ID3/3	Description: Code specifying type of date or time, or both date and time Standard codelist for _374 is supported.



3.3 PER_SA_BD_RE (Administrative Communications Contact)

Purpose: To identify a person or office to whom administrative communications should be directed' Syntax Rules: P0304 : If either PER03 or PER04 is present, then the other is required. P0506 : If either PER05 or PER06 is present, then the other is required. P0708 : If either PER07 or PER08 is present, then the other is required.

This segment is optional here.

Max. occurrences is 3.

Label	Name	Standard	Impl	Comment								
366	Contact Function Code	M ID2/2	M ID2/2	Description: Code identifying the major duty or responsibility of the person or group named <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SA</td> <td>Sales Administration</td> </tr> <tr> <td>RE</td> <td>Receiving Contact</td> </tr> <tr> <td>BD</td> <td>Buyer Name or Department</td> </tr> </tbody> </table>	Code	Description	SA	Sales Administration	RE	Receiving Contact	BD	Buyer Name or Department
Code	Description											
SA	Sales Administration											
RE	Receiving Contact											
BD	Buyer Name or Department											
93	Name	O AN1/60	M AN1/60	Description: Free-form name								
365	Communication Number Qualifier	O ID2/2	M ID2/2	Description: Code identifying the type of communication number <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>	Code	Description	TE	Telephone				
Code	Description											
TE	Telephone											
364	Communication Number	O AN1/80	M AN1/80	Description: Complete communications number including country or area code when applicable								
365	Communication Number Qualifier	O ID2/2	O ID2/2	Description: Code identifying the type of communication number Standard codelist for _365 is supported.								
364	Communication Number	O AN1/80	O AN1/80	Description: Complete communications number including country or area code when applicable								



3.4 N1_BY (Name)

N	Level	a	Max Occ.	m	Content	e	m
N1	5		1		N	a	

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

This segment group is mandatory here.
Max. occurrences is 200.

3.4.1 N1 (Name)

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

N105 and N106 further define the type of entity in N101.

' Syntax Rules: R0203 : At least one of N102 or N103 is required. P0304 : If either N103 or N104 is present, then the other is required.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
98	Entity Identifier Code	M ID2/3	M ID2/3	Description: Code identifying an organizational entity, a physical location, property or an individual Code Description BY Buying Party (Purchaser)
93	Name	O AN1/60	O AN1/60	Description: Free-form name
66	Identification Code Qualifier	O ID1/2	M ID1/2	Description: Code designating the system/method of code structure used for Identification Code (67) Code Description 92 Assigned by Buyer or Buyer's Agent
67	Identification Code	O AN2/80	M AN2/80	Description: Code identifying a party or other code



3.5 N1_ST (Name)

N	a	Lm	e	e v M	e	a l	C x	o	O n	ct	ε	n
N	1	5		1			N	a	m	e		
N	2	6		2			A	d	d	i	t	i
N	3	6		2			A	d	d	r	e	s
N	4	6		1			G	e	o	g	r	a

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

This segment group is mandatory here.
Max. occurrences is 200.

3.5.1 N1 (Name)

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

N105 and N106 further define the type of entity in N101.

' Syntax Rules: R0203 : At least one of N102 or N103 is required. P0304 : If either N103 or N104 is present, then the other is required.

This segment is optional here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
98	Entity Identifier Code	M ID2/3	M ID2/3	Description: Code identifying an organizational entity, a physical location, property or an individual Code Description ST Ship To
93	Name	O AN1/60	O AN1/60	Description: Free-form name
66	Identification Code Qualifier	O ID1/2	M ID1/2	Description: Code designating the system/method of code structure used for Identification Code (67) Code Description 92 Assigned by Buyer or Buyer's Agent
67	Identification Code	O AN2/80	M AN2/80	Description: Code identifying a party or other code
N2	Additional Name Information	O	O	Purpose: To specify additional names or those longer than 35 characters in length Max. occurrences is 2.
N3	Address Information	O	O	Purpose: To specify the location of the named party Max. occurrences is 2.



Label	Name	Standard	Impl	Comment
N4	Geographic Location	O	O	Purpose: To specify the geographic place of the named party Comments: A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. N402 is required only if city name (N401) is in the U.S. or Canada. ' Syntax Rules: C0605 : If N406 is present, then N405 is required. Max. occurrences is 1.

3.5.1.1 N2 (Additional Name Information)

Purpose: To specify additional names or those longer than 35 characters in length

This segment is optional here.

Max. occurrences is 2.

Label	Name	Standard	Impl	Comment
93	Name	M AN1/60	M AN1/60	Description: Free-form name

3.5.1.2 N3 (Address Information)

Purpose: To specify the location of the named party

This segment is optional here.

Max. occurrences is 2.

Label	Name	Standard	Impl	Comment
166	Address Information	M AN1/55	M AN1/55	Description: Address information

3.5.1.3 N4 (Geographic Location)

Purpose: To specify the geographic place of the named party
 Comments: A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

N402 is required only if city name (N401) is in the U.S. or Canada.

' Syntax Rules: C0605 : If N406 is present, then N405 is required.

This segment is optional here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
19	City Name	O AN2/30	O AN2/30	Description: Free-form text for city name
156	State or Province Code	O ID2/2	O ID2/2	Description: Code (Standard State/Province) as defined by appropriate government agency
116	Postal Code	O ID3/15	O ID3/15	Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
26	Country Code	O ID2/3	O ID2/3	Description: Code identifying the country



3.6 N1_SF (Name)

N	Level	a	Max Occ.	m	Content	e	m
N1	5		1		N	a	

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

This segment group is mandatory here.

Max. occurrences is 200.

3.6.1 N1 (Name)

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

N105 and N106 further define the type of entity in N101.

' Syntax Rules: R0203 : At least one of N102 or N103 is required. P0304 : If either N103 or N104 is present, then the other is required.

This segment is optional here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment				
98	Entity Identifier Code	M ID2/3	M ID2/3	Description: Code identifying an organizational entity, a physical location, property or an individual <table border="0"> <tr> <td>Code</td> <td>Description</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> </table>	Code	Description	SF	Ship From
Code	Description							
SF	Ship From							
93	Name	O AN1/60	O AN1/60	Description: Free-form name				
66	Identification Code Qualifier	O ID1/2	M ID1/2	Description: Code designating the system/method of code structure used for Identification Code (67) <table border="0"> <tr> <td>Code</td> <td>Description</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </table>	Code	Description	92	Assigned by Buyer or Buyer's Agent
Code	Description							
92	Assigned by Buyer or Buyer's Agent							
67	Identification Code	O AN2/80	M AN2/80	Description: Code identifying a party or other code				



3.7 POC_AI_RQ_DI_NC (Line Item Change)

	N	a	L	m	e	M	v	e	e	a	C	l	x	o	n	O	t	c	€
P		O	5	C		1				L		i	n		e				I
ACK			6			1	0			L 4		i	n		e				I
ACK			7			1				L		i	n		e				I

Purpose: To specify changes to a line item

This segment group is mandatory here.
 Max. occurrences is "unbound".

3.7.1 POC (Line Item Change)

Purpose: To specify changes to a line item Semantics: POC01 is the purchase order line item identification.

' Syntax Rules: C030405 : If POC03 is present, then POC04 and POC05 is required.
 C0706 : If POC07 is present, then POC06 is required. P0809 : If either POC08 or POC09 is present, then the other is required. P1011 : If either POC10 or POC11 is present, then the other is required. P1213 : If either POC12 or POC13 is present, then the other is required. P1415 : If either POC14 or POC15 is present, then the other is required. P1617 : If either POC16 or POC17 is present, then the other is required. P1819 : If either POC18 or POC19 is present, then the other is required. P2021 : If either POC20 or POC21 is present, then the other is required. P2223 : If either POC22 or POC23 is present, then the other is required. P2425 : If either POC24 or POC25 is present, then the other is required. P2627 : If either POC26 or POC27 is present, then the other is required.

This segment is mandatory here.
 Max. occurrences is 1.

Label	Name	Standard	Impl	Comment										
350	Assigned Identification	O AN1/20	M AN1/20	Description: Alphanumeric characters assigned for differentiation within a transaction set										
670	Change or Response Type Code	M ID2/2	M ID2/2	Description: Code specifying the type of change to the line item <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>NC</td> <td>Concurrent Item (No Change)</td> </tr> <tr> <td>RQ</td> <td>Reschedule/Quantity Change</td> </tr> <tr> <td>AI</td> <td>Add Additional Item(s)</td> </tr> <tr> <td>DI</td> <td>Delete Item(s)</td> </tr> </tbody> </table>	Code	Description	NC	Concurrent Item (No Change)	RQ	Reschedule/Quantity Change	AI	Add Additional Item(s)	DI	Delete Item(s)
Code	Description													
NC	Concurrent Item (No Change)													
RQ	Reschedule/Quantity Change													
AI	Add Additional Item(s)													
DI	Delete Item(s)													
330	Quantity Ordered	O R1/15	M R1/15	Description: Quantity ordered										
671	Quantity Left to Receive	O R1/9	O R1/9	Description: Quantity left to receive as qualified by the unit of measure										



Label	Name	Standard	Impl	Comment
C001	Composite Unit of Measure	O	M	Description: To identify a composite unit of measure(See Figures Appendix for examples of use) Comments: If C001-02 is not used, its value is to be interpreted as 1. If C001-03 is not used, its value is to be interpreted as 1. If C001-05 is not used, its value is to be interpreted as 1. If C001-06 is not used, its value is to be interpreted as 1. If C001-08 is not used, its value is to be interpreted as 1. If C001-09 is not used, its value is to be interpreted as 1. If C001-11 is not used, its value is to be interpreted as 1. If C001-12 is not used, its value is to be interpreted as 1. If C001-14 is not used, its value is to be interpreted as 1. If C001-15 is not used, its value is to be interpreted as 1. Max. occurrences is 1.
355	Unit or Basis for Measurement Code	M ID2/2	M ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.
1018	Exponent	O R1/15	O R1/15	Description: Power to which a unit is raised
649	Multiplier	O R1/10	O R1/10	Description: Value to be used as a multiplier to obtain a new value
355	Unit or Basis for Measurement Code	O ID2/2	O ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.
1018	Exponent	O R1/15	O R1/15	Description: Power to which a unit is raised
649	Multiplier	O R1/10	O R1/10	Description: Value to be used as a multiplier to obtain a new value
355	Unit or Basis for Measurement Code	O ID2/2	O ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.
1018	Exponent	O R1/15	O R1/15	Description: Power to which a unit is raised
649	Multiplier	O R1/10	O R1/10	Description: Value to be used as a multiplier to obtain a new value
355	Unit or Basis for Measurement Code	O ID2/2	O ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.
1018	Exponent	O R1/15	O R1/15	Description: Power to which a unit is raised
649	Multiplier	O R1/10	O R1/10	Description: Value to be used as a multiplier to obtain a new value



Label	Name	Standard	Impl	Comment				
355	Unit or Basis for Measurement Code	O ID2/2	O ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.				
1018	Exponent	O R1/15	O R1/15	Description: Power to which a unit is raised				
649	Multiplier	O R1/10	O R1/10	Description: Value to be used as a multiplier to obtain a new value				
212	Unit Price	O R1/17	M R1/17	Description: Price per unit of product, service, commodity, etc.				
639	Basis of Unit Price Code	O ID2/2	M ID2/2	Description: Code identifying the type of unit price for an item <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>PE</td> <td>Price per Each</td> </tr> </tbody> </table>	Code	Description	PE	Price per Each
Code	Description							
PE	Price per Each							
235	Product/Service ID Qualifier	O ID2/2	M ID2/2	Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> </tbody> </table>	Code	Description	BP	Buyer's Part Number
Code	Description							
BP	Buyer's Part Number							
234	Product/Service ID	O AN1/48	M AN1/48	Description: Identifying number for a product or service				
235	Product/Service ID Qualifier	O ID2/2	O ID2/2	Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Standard codelist for _235 is supported.				
234	Product/Service ID	O AN1/48	O AN1/48	Description: Identifying number for a product or service				
ACK	Line Item Acknowledgment	O	M	Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item Max. occurrences is 104.				

3.7.1.1 ACK (Line Item Acknowledgment)

N	Level	a	Max Occ.	m	Content	e
ACK	7		1		Line Item Acknowledgment	

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

This segment group is mandatory here.
Max. occurrences is 104.



3.7.1.1.1 ACK (Line Item Acknowledgment)

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
 Semantics: ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

' Syntax Rules: P0203 : If either ACK02 or ACK03 is present, then the other is required.
 C0405 : If ACK04 is present, then ACK05 is required. P0708 : If either ACK07 or ACK08 is present, then the other is required. P0910 : If either ACK09 or ACK10 is present, then the other is required. P1112 : If either ACK11 or ACK12 is present, then the other is required. P1314 : If either ACK13 or ACK14 is present, then the other is required. P1516 : If either ACK15 or ACK16 is present, then the other is required. P1718 : If either ACK17 or ACK18 is present, then the other is required. P1920 : If either ACK19 or ACK20 is present, then the other is required. P2122 : If either ACK21 or ACK22 is present, then the other is required. P2324 : If either ACK23 or ACK24 is present, then the other is required. P2526 : If either ACK25 or ACK26 is present, then the other is required. P2728 : If either ACK27 or ACK28 is present, then the other is required. C282729 : If ACK28 is present, then ACK27 and ACK29 is required.

This segment is optional here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment												
668	Line Item Status Code	M ID2/2	M ID2/2	Description: Code specifying the action taken by the seller on a line item requested by the buyer <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IA</td> <td>Item Accepted</td> </tr> <tr> <td>IB</td> <td>Item Backordered</td> </tr> <tr> <td>ID</td> <td>Item Deleted</td> </tr> <tr> <td>IC</td> <td>Item Accepted - Changes Made</td> </tr> <tr> <td>IR</td> <td>Item Rejected</td> </tr> </tbody> </table>	Code	Description	IA	Item Accepted	IB	Item Backordered	ID	Item Deleted	IC	Item Accepted - Changes Made	IR	Item Rejected
Code	Description															
IA	Item Accepted															
IB	Item Backordered															
ID	Item Deleted															
IC	Item Accepted - Changes Made															
IR	Item Rejected															
380	Quantity	O R1/15	M R1/15	Description: Numeric value of quantity												
355	Unit or Basis for Measurement Code	O ID2/2	M ID2/2	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Standard codelist for _355 is supported.												
374	Date/Time Qualifier	O ID3/3	M ID3/3	Description: Code specifying type of date or time, or both date and time <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>002</td> <td>Commit Date</td> </tr> </tbody> </table>	Code	Description	002	Commit Date								
Code	Description															
002	Commit Date															
373	Date	O DT8/8	M DT8/8	Description: Date expressed as CCYYMMDD												
326	Request Reference Number	O AN1/45	M AN1/45	Description: 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)												



Label	Name	Standard	Impl	Comment				
235	Product/Service ID Qualifier	O ID2/2	M ID2/2	Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="0"> <tr> <td>Code</td> <td>Description</td> </tr> <tr> <td>PL</td> <td>Purchaser's Order Line Number</td> </tr> </table>	Code	Description	PL	Purchaser's Order Line Number
Code	Description							
PL	Purchaser's Order Line Number							
234	Product/Service ID	O AN1/48	M AN1/48	Description: Identifying number for a product or service				



3.8 CTT_01_02 (Transaction Totals)

N	Level	a	Max Occ.	m	Content	e
CTT	5		1		Transaction Totals	

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

This segment group is mandatory here.
Max. occurrences is 1.

3.8.1 CTT (Transaction Totals)

Purpose: To transmit a hash total for a specific element in the 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. Comments: This segment is intended to provide hash totals to validate transaction completeness and correctness.

' Syntax Rules: P0304 : If either CTT03 or CTT04 is present, then the other is required.
P0506 : If either CTT05 or CTT06 is present, then the other is required.

This segment is mandatory here.
Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
354	Number of Line Items	M N0/6	M N0/6	Description: Total number of line items in the transaction set
347	Hash Total	O R1/10	M R1/10	Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

4 Trailer Segments

4.1 SE (Transaction Set Trailer)

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) Comments: SE is the last segment of each transaction set.

This segment is mandatory here.



Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
96	Number of Included Segments	M N0/10	M N0/10	Description: Total number of segments included in a transaction set including ST and SE segments
329	Transaction Set Control Number	M AN4/9	M AN4/9	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

4.2 GE (Functional Group Trailer)

Purpose: To indicate the end of a functional group and to provide control information

Semantics: The data interchange control number GE02 in this trailer must be identical to

the same data element in the associated functional group header, GS06. Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

This segment is mandatory here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
97	Number of Transaction Sets Included	M N0/6	M N0/6	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element
28	Group Control Number	M N0/9	M N0/9	Description: Assigned number originated and maintained by the sender



4.3 IEA (Interchange Control Trailer)

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

This segment is mandatory here.

Max. occurrences is 1.

Label	Name	Standard	Impl	Comment
I16	Number of Included Functional Groups	M N0/5	M N0/5	Description: A count of the number of functional groups included in an interchange
I12	Interchange Control Number	M N9/9	M N9/9	Description: A control number assigned by the interchange sender



5 Example Files

5.1 X12 SAMPLE FILE PURCHASE CHANGE ACKNOWLEDGMENT

ISA*00* *00* *01*205415573 *ZZ*131522401S *190312*1550*U*00401*000087965*0*P*>
 GS*CA*205415573*131522401S*20190312*155033*87965*X*004010
 ST*865*0001
 BCA*00*AD*4502305246***20190312
 CUR*BY*USD
 PER*BD*VMI M. Williams*TE*812-309-3758*FX*812-634-4600
 PER*RE*Kimball Electronics Group*TE*812-634-4200
 N1*BY**92*KIKEG01
 N1*SF**92*40001321
 N1*ST*Kimball Electronics Group*92*KIKEG01
 N3*1038 East 15th Street
 N4*Jasper*IN*47546*US
 POC*00010*RQ*1000**EA*0.155*PE*BP*A-8794740WDP01*PD*SWITCH, TACT SPST SM
 ACK*IA*1000*PC*002*20150212**PL*001
 CTT*1*1000
 SE*14*0001
 GE*1*87965
 IEA*1*000087965

****NOTE****

Only 1 PO allowed per acknowledgment line item. Please do not pass multiple PO numbers within your acknowledgement line items.