



# **KEHE Distributors**

## **Purchase Order EDI 850 Ver 5010**

**X12/V5010/850 : 850 Purchase Order**

**Company: Kehe Distributos**  
**Updated: 04/01/2019**

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# 850

# Purchase Order

## Functional Group=PO

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

**Notes:**

- 2/010L PO102 is required.
- 2/010 PO102 is required.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/020 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	ISA	Interchange Control Header	M	1			Must use	3
	GS	Functional Group Header	M	1			Must use	5

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
0100	ST	Transaction Set Header	M	1			Must use	6
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use	7
0600	PER	Administrative Communications Contact	O	>1			Must use	8
1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Must use	9
1500	DTM	Date/Time Reference	O	10			Must use	10
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Must use	11

<u>LOOP ID - N1</u>			<u>200</u>					
3100	N1	Name	O	1			Must use	12
3300	N3	Address Information	O	2			Must use	13
3400	N4	Geographic Location	O	>1			Must use	14
3600	PER	Administrative Communications Contact	O	>1			Must use	15

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
<u>LOOP ID - PO1</u>					<u>100000</u>	<u>N2/010L</u>		
010	PO1	Baseline Item Data	M	1		N2/010	Must use	16
<u>LOOP ID - PID</u>					<u>1000</u>			
0500	PID	Product/Item Description	O	1			Must use	17
0900	P04	Item Physical Details	O	>1			Used	17
<u>LOOP ID - SAC</u>					<u>25</u>			
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Must use	18

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
<b>LOOP ID - CTT</b>						<b><u>1</u></b>	<b><u>N3/010L</u></b>	
0100	CTT	Transaction Totals	O	1		N3/010	Must use	19
0200	AMT	Monetary Amount	O	1		N3/020	Must use	20
0300	SE	Transaction Set Trailer	M	1			Must use	21

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	GE	Functional Group Trailer	M	1			Must use	22
	IEA	Interchange Control Trailer	M	1			Must use	23

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	Elements: 16

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use

**Description:** Code to identify the type of information in the Authorization Information

**CodeList Summary** (Total Codes: 7, Included: 1)

<u>Code</u>	<u>Name</u>
00	No Authorization Information Present (No Meaningful Information in I02)

ISA02	I02	Authorization Information	M	AN	10/10	Must use
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**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)

ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
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**Description:** Code to identify the type of information in the Security Information

**CodeList Summary** (Total Codes: 2, Included: 1)

<u>Code</u>	<u>Name</u>
00	No Security Information Present (No Meaningful Information in I04)

ISA04	I04	Security Information	M	AN	10/10	Must use
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**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)

ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

**CodeList Summary** (Total Codes: 38, Included: 1)

<u>Code</u>	<u>Name</u>
16	Duns Number With 4-Character Suffix

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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**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

**KEHE Id:** 0569813430000 OR 0054370330000

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

**CodeList Summary** (Total Codes: 38, Included: 1)

<u>Code</u>	<u>Name</u>
	Defined by Trading Partner

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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**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

ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				
		<b>CodeList Summary</b> (Total Codes: 14, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		00501		Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997		
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)				
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		0		No Acknowledgment Requested		
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<b>CodeList Summary</b> (Total Codes: 3, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		P		Production Data		
		T		Test Data		
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> 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				

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

**User Option (Usage):** Must use

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

## Comments:

1. 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.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>CodeList Summary</b> (Total Codes: 240, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PO		Purchase Order (850)		
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
<b>KEHE Production Id:</b> 0569813430000 OR 0054370330000						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> 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)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		X		Accredited Standards Committee X12		
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</b> 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						
<b>CodeList Summary</b> (Total Codes: 39, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		005010		Draft Standards Approved for Publication through October 1997		

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>CodeList Summary</b> (Total Codes: 298, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		850		Purchase Order		
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						



# BEG Beginning Segment for Purchase Order

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set				
		<b>CodeList Summary</b> (Total Codes: 65, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		00		Original		
BEG02	92	<b>Purchase Order Type Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the type of Purchase Order				
		<b>CodeList Summary</b> (Total Codes: 69, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		SA		Stand-alone Order		
BEG03	324	<b>Purchase Order Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
BEG05	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				

# PER Administrative Communications Contact

Pos: 6000	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>CodeList Summary</b> (Total Codes: 230, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		BI		Bill Inquiry Contact		
		SD		Shipping Department		
PER02	93	Name	O	AN	1/60	Must use
<b>Description:</b> Free-form name						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 40, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Used
<b>Description:</b> Complete communications number including country or area code when applicable						

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1200	Max: 1
Heading - Optional	
Loop: SAC	Elements: 5

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
<b>CodeList Summary</b> (Total Codes: 7, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Must use
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
<b>CodeList Summary</b> (Total Codes: 1053, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		C350		Discount		
SAC05	610	Amount	O	N2	1/15	Must use
<b>Description:</b> Monetary amount						
SAC06	378	Allowance/Charge Percent Indicator	C	ID	1/1	Used
<b>Description:</b> Code Indicating on what basis allowance or charge percent is calculated						
<b>CodeList Summary</b> (Total Codes: 1, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		Z		Mutually Defined		
SAC07	332	Percent	C	R	1/6	Used
<b>Description:</b> Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Must use
<b>Description:</b> Code indicating method of handling for an allowance or charge						
<b>CodeList Summary</b> (Total Codes: 22, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		02		Off Invoice		
SAC15	352	Description	X	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

# DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use  
**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1112, Included: 1)

<u>Code</u>	<u>Name</u>
002	Delivery Requested
118	Requested Pick-up

DTM02	373	Date	X	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 2400	Max: 12
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

**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.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD504	91	Transportation Method/Type Code	X	ID	1/2	Must use

**Description:** Code specifying the method or type of transportation for the shipment

**CodeList Summary** (Total Codes: 71, Included: 1)

<u>Code</u>	<u>Name</u>
M	Motor (Common Carrier)
H	Customer Pickup

<b>N1</b>	<b>Name</b>	<b>Pos: 3100</b>	<b>Max: 1</b>
		<b>Heading - Optional</b>	
		<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Must use

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

**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.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>CodeList Summary</b> (Total Codes: 1312, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		BT		Bill-to-Party		
		ST		Ship To		
		SF		Ship From (Picked up Purchase Orders)		
N102	93	<b>Name</b>	X	AN	1/60	Must use
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Must use
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>CodeList Summary</b> (Total Codes: 215, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
N104	67	<b>Identification Code</b>	X	AN	2/80	Must use
<b>Description:</b> Code identifying a party or other code						
<b>KEHE DC Duns + 4</b>						
0569813430001 - Elkton, FL						
0569813430012 - Aurora, CO						
0569813430015 - Lehigh Valley, PA						
0569813430016 - Bloomington, IN						
0569813430018 - Romeoville, IL						
0569813430022 - Dallas, TX						
0569813430025 - Portland, OR						
0569813430031 - Ft. Lauderdale, FL						
0569813430033 - Stockton, CA						
0569813430037 - Chino 'B', CA						
0569813430041 - Chino, CA						
0569813430042 - Flower Mound, TX						
0569813430055 - Douglasville, GA						

# N3

## Address Information

Pos: 3300	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To specify the location of the named party

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use

**Description:** Address information

**N4****Geographic Location**

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Must use**Purpose:** To specify the geographic place of the named party**Comments:**

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				



# PER Administrative Communications Contact

Pos: 3600	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>CodeList Summary</b> (Total Codes: 230, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		BI		Bill Inquiry Contact		
		SD		Shipping Department		
PER02	93	Name	O	AN	1/60	Must use
<b>Description:</b> Free-form name						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 40, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Used
<b>Description:</b> Complete communications number including country or area code when applicable						

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 6

**User Option (Usage):** Must use

**Purpose:** To specify basic and most frequently used line item data

**Comments:**

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	<b>Assigned Identification</b>	O	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
PO102	380	<b>Quantity</b>	X	R	1/15	Must use
<b>Description:</b> Quantity ordered						
PO103	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 794, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		CA		Case		
PO104	212	<b>Unit Price</b>	X	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
PO106	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
PO107	234	<b>Product/Service ID</b>	X	AN	1/48	Must use
<b>Description:</b> Identifying number for a product or service						
PO108	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		UK		GTIN 14 Digit Data Structure		
		VN		Vendors stock keeping unit (if available)		
		IN		Kehe Item number – length – 8 digits with leading zeros (can be different by DC)		
PO109	234	<b>Product/Service ID</b>	O	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						

# PID Product/Item Description

Pos: 0500	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To describe a product or process in coded or free-form format

**Comments:**

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
<b>Description:</b> Code indicating the format of a description						
<b>CodeList Summary</b> (Total Codes: 3, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID05	352	Description	X	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

# P04 Item Physical Details

Pos: 0900	Max: 1
Detail - Optional	
Loop: P01	Elements: 1

**User Option (Usage):** Used

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

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used
<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container						

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1300	Max: 1
Detail - Optional	
Loop: SAC	Elements: 8

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
<b>CodeList Summary</b> (Total Codes: 7, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Must use
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
<b>CodeList Summary</b> (Total Codes: 1053, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		C350		Discount		
SAC05	610	<b>Amount</b>	O	N2	1/15	Must use
<b>Description:</b> Monetary amount						
SAC06	378	<b>Allowance/Charge Percent Indicator</b>	C	ID	1/1	Used
<b>Description:</b> Code Indicating on what basis allowance or charge percent is calculated						
<b>CodeList Summary</b> (Total Codes: 1, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		Z		Mutually Defined		
SAC07	332	<b>Percent</b>	C	R	1/6	Used
<b>Description:</b> Percent expressed as a percent						
SAC08	118	<b>Rate</b>	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Must use
<b>Description:</b> Code indicating method of handling for an allowance or charge						
<b>CodeList Summary</b> (Total Codes: 22, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		02		Off Invoice		
SAC15	352	<b>Description</b>	X	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

**User Option (Usage):** Must use

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

**Comments:**

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

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of line items in the transaction set				
CTT02	347	<b>Hash Total</b>	O	R	1/10	Used

Description: Sum of values of the specified data element. All Values in the data element (PO102) 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.

# AMT Monetary Amount

Pos: 0200                      Max: 1  
 Summary - Optional  
 Loop: CTT                      Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the total monetary amount

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/3	Must use
		<b>Description:</b> Code to qualify amount				
		<b>CodeList Summary</b> (Total Codes: 1473, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
		<b>Description:</b> Monetary amount				

# SE Transaction Set Trailer

Pos: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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:**

1. SE is the last segment of each transaction set.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments						
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

**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.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				



# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	NO	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	NO	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						

## EXAMPLE DATA:

```

ISA*00*      *00*      *16*0569813430000 *01*9999999999 *141006*1742*U*00501*000000001*0*T*>~
GS*PO*0569813430000*9999999999*20141006*174200*0001*X*005010~
ST*850*0001~
BEG*00*SA*1957168**20141006~
DTM*002*20141022~
TD5***M~
N1*ST*KEHE DISTRIBUTORS*9*0569813430022~
N3*4024 Rock Quarry Rd~
N4*Dallas*TX*75211~
PER*SD*KAREN TREONIS*TE*6303430000~
N1*BT*KEHE DIST.-DALLAS*9*0569813430022~
N3*PO Box 389~
N4*St. Augustine*FL*32085~
PER*BI*KAREN TREONIS*TE*6303430000~
PO1*0001*7*CA*1.00**UA*081234512345*UP*012345123450~
PID*F***ITEM DESCRIPTION 1~
PO1*0002*5*CA*2.00****UP*012345123451~
PID*F***ITEM DESCRIPTION 2~
SAC*A*D111*****.02*****DISCOUNT~
PO1*0003*8*CA*3.00**UA*001234512345*UP*012345123452~
PID*F***ITEM DESCRIPTION 3~
PO1*0004*13*CA*4.00****UP*012345123453~
PID*F***ITEM DESCRIPTION 4~
SAC*A*D111*****.04*****DISCOUNT~
CTT*4*33~
AMT*TT*92.38~
SE*23*0001~
GE*1*0001~
IEA*1*000000001~
    
```