



KEHE Distributors

Purchase Order EDI 850 Version 5010

X12/V5010/850 : 850 Purchase Order

Company:	Kehe Distributos
Revised:	06/16/2020

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Sample Data

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:

- 2/0100L PO102 is required.
 2/0100 PO102 is required.
 3/0100L 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.
 3/0100 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.
 3/0200 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
0500	REF	Reference Identification	O	1			Used	8
0600	PER	Administrative Communications Contact	O	>1			Must use	9
1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Must use	10
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used	11
1500	DTM	Date/Time Reference	O	10			Must use	12
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Must use	13

<u>LOOP ID - N1</u>		<u>200</u>						
3100	N1	Name	O	1			Must use	14
3300	N3	Address Information	O	2			Must use	15
3400	N4	Geographic Location	O	>1			Must use	16
3600	PER	Administrative Communications Contact	O	>1			Must use	17

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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>
LOOP ID - PO1					100000	N2/010L		
0100	PO1	Baseline Item Data	M	1		N2/010	Must use	18
LOOP ID - PID					1000			
0500	PID	Product/Item Description	O	1			Must use	19
0900	P04	Item Physical Details	O	>1			Used	20
LOOP ID - SAC					25			
1300	SAC	Service, Promotion, Allowance, O or Charge Information	O	1			Must use	21

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>
LOOP ID - CTT					1	N3/010L		
0100	CTT	Transaction Totals	O	1		N3/010	Must use	22
0200	AMT	Monetary Amount	O	1		N3/020	Must use	23
0300	SE	Transaction Set Trailer	M	1			Must use	24

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	25
	IEA	Inter change Control Trailer	M	1			Must use	26

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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
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
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
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
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
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
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		

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ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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	Interchange Date	M	DT	6/6	Must use
Description: Date of the interchange						
ISA10	I09	Interchange Time	M	TM	4/4	Must use
Description: Time of the interchange						
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are optional. <u>Code</u> <u>Name</u> Repetition Separator						
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
Description: Code specifying the version number of the interchange control segments CodeList Summary (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	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
Description: Code sent by the sender to request an interchange acknowledgment (TA1) CodeList Summary (Total Codes: 2, Included: 1) <u>Code</u> <u>Name</u> 0 No Acknowledgment Requested						
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information CodeList Summary (Total Codes: 3, Included: 2) <u>Code</u> <u>Name</u> P Production Data T Test Data						
ISA16	I15	Component Element Separator	M		1/1	Must use
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						

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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	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
CodeList Summary (Total Codes: 240, Included: 1)						
		<u>Code</u> <u>Name</u>				
		PO Purchase Order (850)				
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
KEHE Production Id: 0569813430000 OR 0054370330000						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
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)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
CodeList Summary (Total Codes: 2, Included: 1)						
		<u>Code</u> <u>Name</u>				
		Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
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						
CodeList Summary (Total Codes: 39, Included: 1)						
		<u>Code</u> <u>Name</u>				
		005010 Draft Standards Approved for Publication through October 2004				

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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	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

<u>Code</u>	<u>Name</u>
850	Purchase Order

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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

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REF Reference Identification

Pos: 0500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Optional

Purpose: To specify identifying information

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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Used

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1731, Included: 1)

<u>Code</u>	<u>Name</u>
IA	Internal KeHE DC Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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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
Description: Code identifying the major duty or responsibility of the person or group named						
CodeList Summary (Total Codes: 230, Included: 2)						
		<u>Code</u> <u>Name</u>				
		BD Buyer Name or Department				
PER02	93	Name	O	AN	1/60	Must use
Description: Free-form name						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
Description: Code identifying the type of communication number						
CodeList Summary (Total Codes: 40, Included: 1)						
		<u>Code</u> <u>Name</u>				
		TE Telephone				
PER04	364	Communication Number	X	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						

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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
Description: Code which indicates an allowance or charge for the service specified						
CodeList Summary (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
Description: Code identifying the service, promotion, allowance, or charge						
CodeList Summary (Total Codes: 1053, Included: 1)						
		<u>Code</u> <u>Name</u>				
		B720 Cooperative Advertising/Merchandising Allowance				
		G860 Spoilage /Shrink Allowance				
SAC05	610	Amount	O	N2	1/15	Must use
Description: Monetary amount						
SAC06	378	Allowance/Charge Percent Indicator	C	ID	1/1	Used
Description: Code Indicating on what basis allowance or charge percent is calculated						
CodeList Summary (Total Codes: 1, Included: 1)						
		<u>Code</u> <u>Name</u>				
		Z Mutually Defined				
SAC07	332	Percent	C	R	1/6	Used
Description: Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
Description: 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
Description: Code indicating method of handling for an allowance or charge						
CodeList Summary (Total Codes: 22, Included: 1)						
		<u>Code</u> <u>Name</u>				
		02 Off Invoice				
SAC15	352	Description	X	AN	1/80	Must use
Description: A free-form description to clarify the related data elements and their content						

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ITD**Terms of Sale/Deferred Terms of Sale**

Pos: 1300	Max: 1
Heading - Optional	
Loop: NA	Elements: 6

User Option (Usage): Used**Purpose:** To specify terms of sale**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>
ITD01	336	Terms Type Code	O	ID	2/2	Used
		Description: Code identifying type of payment terms				
		CodeList Summary (Total Codes: 77, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		14		Previously agreed upon		
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
		Description: Code identifying the beginning of the terms period				
		CodeList Summary (Total Codes: 17, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		15		Receipt of Goods		
ITD03	338	Terms Discount Percent	O	R	1/6	Used
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date				
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned				
ITD07	386	Terms Net Days	O	N0	1/3	Used
		Description: Number of days until total invoice amount is due (discount not applicable)				
ITD12	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

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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

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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

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N1	Name	Pos: 3100	Max: 1
		Heading - Optional	
		Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
CodeList Summary (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)		
		BY		Buying Party (Purchaser) used when BEG02=DS		
N102	93	Name	X	AN	1/60	Must use
Description: Free-form name						
N103	66	Identification Code Qualifier	X	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
CodeList Summary (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	Identification Code	X	AN	2/80	Must use
Description: Code identifying a party or other code						
KEHE DC Duns + 4						
0569813430001 - Elkton, FL						
0569813430012 - Aurora, CO						
0569813430015 - Lehigh Valley, PA						
0569813430016 - Bloomington, IN						
0569813430018 - Romeoville, IL						
0569813430118 - Glendale Heights, 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						

Note: When BEG02=DS and N101=ST the N103 and N104 WILL NOT be sent

When BEG02=DS and N101=BY the N103 and N104 WILL be sent indicating the buying DC

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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[Table of Contents](#)

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	City Name	O	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

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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
Description: Code identifying the major duty or responsibility of the person or group named						
CodeList Summary (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
Description: Free-form name						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
Description: Code identifying the type of communication number						
CodeList Summary (Total Codes: 40, Included: 1)						
		<u>Code</u> <u>Name</u>				
		TE Telephone				
PER04	364	Communication Number	X	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						

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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	Assigned Identification	O	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	380	Quantity	X	R	1/15	Must use
		Description: Quantity ordered				
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 794, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		CA		Case		
PO104	212	Unit Price	X	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
PO106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
PO107	234	Product/Service ID	X	AN	1/48	Must use
		Description: Identifying number for a product or service				
PO108	235	Product/Service ID Qualifier	O	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (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	Product/Service ID	O	AN	1/48	Used
		Description: Identifying number for a product or service				

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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
Description: Code indicating the format of a description						
CodeList Summary (Total Codes: 3, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID05	352	Description	X	AN	1/80	Must use
Description: A free-form description to clarify the related data elements and their content						

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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

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

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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	Allowance or Charge Indicator	M	ID	1/1	Must use
Description: Code which indicates an allowance or charge for the service specified						
CodeList Summary (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
Description: Code identifying the service, promotion, allowance, or charge						
CodeList Summary (Total Codes: 1053, Included: 1)						
		<u>Code</u> <u>Name</u>				
		C310 Discount				
SAC05	610	Amount	O	N2	1/15	Must use
Description: Monetary amount						
SAC06	378	Allowance/Charge Percent Indicator	C	ID	1/1	Used
Description: Code Indicating on what basis allowance or charge percent is calculated						
CodeList Summary (Total Codes: 1, Included: 1)						
		<u>Code</u> <u>Name</u>				
		Z Mutually Defined				
SAC07	332	Percent	C	R	1/6	Used
Description: Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
Description: 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
Description: Code indicating method of handling for an allowance or charge						
CodeList Summary (Total Codes: 22, Included: 1)						
		<u>Code</u> <u>Name</u>				
		02 Off Invoice				
SAC15	352	Description	X	AN	1/80	Must use
Description: A free-form description to clarify the related data elements and their content						

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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	Number of Line Items	M	N0	1/6	Must use
Description: Total number of line items in the transaction set						
CTT02	347	Hash Total	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.						
CTT03	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
CTT04	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code List Summary (Total Codes: 844, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		LB	Pounds			

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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	Amount Qualifier Code	M	ID	1/3	Must use
Description: Code to qualify amount						
CodeList Summary (Total Codes: 1473, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	Monetary Amount	M	R	1/18	Must use
Description: Monetary amount						

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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	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

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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:

1. 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	Number of Transaction Sets Included	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

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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	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

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SAMPLE DATA:

ISA*00* *00* *16*0569813430000 *ZZ*999999999999 *191213*1513*|*00501*000000006*0*P*>~
 GS*PO*0569813430000*999999999999*20191213*151300*6*X*005010~
 ST*850*0001~
 BEG*00*SA*3667599**20191211~
 REF*IA*44001758~
 PER*BD*KEHE BUYER~
 SAC*A*B720***7014*Z*.7*****02***MARKETING ALLOWANCE~
 SAC*A*G860***701*Z*.1*****02***SPOILAGE ALLOWANCE~
 ITD*14*15*****30*****NET 30~
 DTM*118*20191230~
 TD5***H~
 N1*ST*KEHE DISTRIBUTORS*9*0569813430015~
 N3*860 NESTLE WAY~
 N4*BREINIGSVILLE*PA*18031~
 PER*SD*KEHE CONTACT~
 N1*BT*KEHE DIST.-LEHIGH VALLEY*9*0569813430015~
 N3*PO Box 24830~
 N4*Jacksonville,*FL*32241~
 PER*BI*KEHE CONTACT~
 N1*SF*Ship From Location Name~
 N3*Ship From Address~
 N4*Jacksonville,*FL*32241~
 PO1*1*20*CA*11.16**UP*012345123450*UK*00012345123450~
 PID*F****Item Description 1~
 PO4*12~
 PO1*2*60*CA*11.16**UP*012345123452*UK*10012345123455~
 PID*F****Item Description 2~
 PO4*12~
 .
 PO1*5*48*CA*8.7**UP*012345123456*UK*40012345123455~
 PID*F****Item Description 5~
 PO4*6~
 SAC*A*C310***6336***1.32*****02***RATE BASED DISCOUNT~
 PO1*6*48*CA*8.7**UP*012345123489*UK*10012345123897~
 PID*F****Item Description 6~
 PO4*6~
 SAC*A*C310***6336***1.32*****02***RATE BASED DISCOUNT~
 .
 PO1*12*72*CA*17.04**UP*012345123463*UK*10012345123639~
 PID*F****Item Description 12~
 PO4*6~
 SAC*A*C310***18576*Z*20*****02***PERCENTAGE BASED DISCOUNT~
 .
 PO1*20*30*CA*8.64**UP*012345145678*UK*30012345145679~
 PID*F****Item Description 20~
 PO4*12~
 SAC*A*C310***3960*Z*15*****02***PERCENTAGE BASED DISCOUNT~
 CTT*20*801*5422.92*LB~
 AMT*TT*9282.16~
 SE*90*0001~
 GE*1*6~
 IEA*1*000000006~

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