KEHE Distributors

Purchase Order
EDI 850
Ver 5010

X12/V5010/850 : 850 Purchase Order

Company: **Kehe Distributos**
Updated: **12/13/2019**

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850   <u>Purchase Order</u>

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:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
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
LOOP ID - N1					**200**			
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

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
LOOP ID - PO1					**100000**	**N2/010L**		
010	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, or Charge Information	O	1			Must use	21

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
	GE	Functional Group Trailer	M	1			Must use	25
	IEA	Interchange Control Trailer	M	1			Must use	26

ISA   Interchange Control Header

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined – Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 16</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
16	Duns Number With 4-Character Suffix

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
Defined by Trading Partner	

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 used. (Total Codes: 1)

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
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)

Code	Name
|	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)

Code	Name
005010	Draft Standards Approved for Publication through October 2004

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
850	Purchase Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
SA	Stand-alone Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG03	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG05	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

REF   Reference Identification

User Option (Usage): Optional
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Used

Description: Code qualifying the Reference Identification

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

Code	Name
IA	Internal KeHE DC Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PER Administrative Communications Contact

User Option (Usage): Must use
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
BI	Bill Inquiry Contact
SD	Shipping Department

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	Used

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
A	Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
C350	Discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	O	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
Z	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC07	332	**Percent**	C	R	1/6	Used

Description: Percent expressed as a percent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC08	118	**Rate**	O	R	1/9	Used

Description: Rate expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
02	Off Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	X	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms
CodeList Summary (Total Codes: 77, Included: 1)

Code	Name
14	Previously agreed upon

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
15	Receipt of Goods

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days**	O	N0	1/3	Used

Description: Number of days until total invoice amount is due (discount not applicable)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD12	352	**Description**	O	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

DTM Date/Time Reference

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
002	Delivery Requested
118	Requested Pick-up

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Must use

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
M	Motor (Common Carrier)
H	Customer Pickup

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
BT	Bill-to-Party
ST	Ship To
SF	Ship From (Picked up Purchase Orders)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
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

User Option (Usage): Must use
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Must use

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

PER   Administrative Communications Contact

<table>
<tr><td>Pos: 3600</td><td>Max: >1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
BI	Bill Inquiry Contact
SD	Shipping Department

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

PO1   **Baseline Item Data**

<div style="border:1px solid black">

Pos: 0100   **Max: 1**
Detail - Mandatory
Loop: PO1   **Elements: 6**
</div>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	380	**Quantity**	X	R	1/15	Must use

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
CA	Case

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	X	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
UP	U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO107	234	**Product/Service ID**	X	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO109	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

PID   Product/Item Description

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

P04 Item Physical Details

<div align="right">

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

</div>

User Option (Usage): Used
Purpose: To specify the physical quantities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
A	Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
C350	Discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	O	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
Z	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC07	332	**Percent**	C	R	1/6	Used

Description: Percent expressed as a percent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC08	118	**Rate**	O	R	1/9	Used

Description: Rate expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
02	Off Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	X	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

CTT   **Transaction Totals**

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT03	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
LB	Pounds

AMT **Monetary Amount**

<div style="border:1px solid black">
Pos: 0200   **Max: 1**
Summary - Optional
Loop: CTT   **Elements: 2**
</div>

User Option (Usage): Must use
Purpose: To indicate the total monetary amount

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT01	522	**Amount Qualifier Code**	M	ID	1/3	Must use

Description: Code to qualify amount

CodeList Summary (Total Codes: 1473, Included: 1)

Code	Name
TT	Total Transaction Amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT02	782	**Monetary Amount**	M	R	1/18	Must use

Description: Monetary amount

SE

Transaction Set Trailer

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

IEA Interchange Control Trailer

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

SAMPLE DATA:

```
ISA*00*        *00*        *16*0569813430000 *ZZ*99999999999   *191213*1513*|*00501*000000006*0*P*>~
GS*PO*0569813430000*99999999999*20191213*151300*6*X*005010~
ST*850*0001~
BEG*00*SA*3667599**20191211~
REF*IA*44001758~
PER*BD*KEHE BUYER~
SAC*A*C350***7014*Z*.7*****02***MARKETING 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*C350***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*C350***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*C350***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*C350***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~
```