

# **KeHE Distributors 850 Purchase Order**

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

<b>Author:</b>	<b>SPS Commerce</b>
<b>Company:</b>	<b>KeHE Distributors</b>
<b>Publication:</b>	<b>10/21/2024</b>
<b>Modified:</b>	<b>1/29/2026</b>
<b>Notes:</b>	

# Table of Contents

<b>850</b>	<b>Purchase Order</b>	<b>1</b>
ST	Transaction Set Header	3
BEG	Beginning Segment for Purchase Order	4
CUR	Currency	5
REF	Reference Information	6
PER	Administrative Communications Contact	7
SAC	Loop Service, Promotion, Allowance, or Charge Information	8
SAC	Service, Promotion, Allowance, or Charge Information	9
ITD	Terms of Sale/Deferred Terms of Sale	12
DTM	Date/Time Reference	13
TD5	Carrier Details (Routing Sequence/Transit Time)	14
N9	Loop Extended Reference Information	15
N9	Extended Reference Information	16
MTX	Text	17
N1	Loop Party Identification	18
N1	Party Identification	19
N3	Party Location	21
N4	Geographic Location	22
PER	Administrative Communications Contact	23
PO1	Loop Baseline Item Data	24
PO1	Baseline Item Data	25
CTP	Loop Pricing Information	28
CTP	Pricing Information	29
PID	Loop Product/Item Description	30
PID	Product/Item Description	31
PO4	Item Physical Details	32
SAC	Loop Service, Promotion, Allowance, or Charge Information	33
SAC	Service, Promotion, Allowance, or Charge Information	34
CTT	Loop Transaction Totals	36
CTT	Transaction Totals	37
AMT	Monetary Amount Information	38
SE	Transaction Set Trailer	39

# 850 Purchase Order

## Functional Group=PO

**Purpose:** This X12 Transaction Set 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.

### General Usage:

*KeHE requires the EDI 997 Functional Acknowledgement to be sent as confirmation of receipt and acceptance for all documents.*

### Change History:

January 2025:

- Added DS as an allowed BEG02 code
- Added VR as an allowed REF01 code
- Updated N101=BY to be conditional - required when BEG02=DS
- Updated N103/N104 conditional requirements

January 2026:

- Added optional CUR segment

### 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>
0100	ST	Transaction Set Header	M	1			Must use
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
0400	CUR	Currency	O	1			Used
0500	REF	Reference Information	M	2			Must use
0600	PER	Administrative Communications Contact	O	1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	1			Must use
1500	DTM	Date/Time Reference	M	2			Must use
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1			Must use
<b>LOOP ID - N9</b>					<b>1000</b>		
2950	N9	Extended Reference Information	O	1			Used
3000	MTX	Text	O	>1			Used
<b>LOOP ID - N1</b>					<b>4</b>		
3100	N1	Party Identification	M	1			Must use
3300	N3	Party Location	M	1			Must use
3400	N4	Geographic Location	M	1			Must use
3600	PER	Administrative Communications Contact	O	1			Used

**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>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/0100L</b>	
0100	PO1	Baseline Item Data	M	1			Must use
<b>LOOP ID - CTP</b>					<b>1</b>		
0400	CTP	Pricing Information	O	1			Used
<b>LOOP ID - PID</b>					<b>1</b>		
0500	PID	Product/Item Description	M	1			Must use
0900	PO4	Item Physical Details	O	1			Used
<b>LOOP ID - SAC</b>					<b>1</b>		
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

**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>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/0100L</b>	
0100	CTT	Transaction Totals	M	1			Must use
0200	AMT	Monetary Amount Information	M	1		N3/0200	Must use
0300	SE	Transaction Set Trailer	M	1			Must use

**Notes:**

- 2/0100L 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.
- 3/0200 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

# 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: 318, Included: 1)

Code Name

850 Purchase Order

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

## Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation partners convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# 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: 66, Included: 1)						
<b>Code Name</b>						
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: 76, Included: 2)						
<b>Code Name</b>						
DS Dropship						
<b>User Note 1:</b>						
BTST Purchase Order						
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 where CC represents the first two digits of the calendar year						

## Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

# CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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

### User Note 1:

*If currency is not sent, USD is assumed.*

### 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>
CUR01	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1500, Included: 1)

**Code Name**

BY Buying Party (Purchaser)

CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
-------	-----	----------------------	---	----	-----	----------

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

### Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

### Comments:

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

# REF Reference Information

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

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

**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	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 2)

**Code Name**

IA Internal Vendor Number

**User Note 1:**

*Mandatory - KeHE Distributors assigned supplier ID (KeHE ESN)*

VR Vendor ID Number

**User Note 1:**

*Optional - KeHE Distributors DC supplier ID*

REF02	127	Reference Identification	M	AN	1/50	Must use
-------	-----	--------------------------	---	----	------	----------

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

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

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

# PER Administrative Communications Contact

Pos: 0600	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**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	<b>Contact Function Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>CodeList Summary</b> (Total Codes: 238, Included: 1)</p> <p><b>Code Name</b> BD Buyer Name or Department</p>						
PER02	93	<b>Name</b>	M	AN	1/60	Must use
<p><b>Description:</b> Free-form name</p>						
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 42, Included: 1)</p> <p><b>Code Name</b> TE Telephone</p>						
PER04	364	<b>Communication Number</b>	X	AN	1/256	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 1200      Repeat: 25  
 Optional  
 Loop: SAC    Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1200	Max: 1
Heading - Optional	
Loop: SAC	Elements: 8

**User Option (Usage):** Used

**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: 2)

**Code Name**

- A Allowance
- C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
-------	------	---	---	----	-----	----------

**Description:** Code identifying the service, promotion, allowance, or charge

**User Note 1:**

**Allowance Codes and Descriptions Used when SAC01=A**

Acceptable Codes to indicate Spoilage/Defective Allowances:

- C000: Defective Allowance
- G860: Spoilage/Shrink Allowance
- H560: Swell Allowance
- I410: Unsaleable Merchandise Allowance

Acceptable Codes to indicate any Freight/Pick up Allowances:

- C290: Freight Allowance/ Discount – Service Option (Pickup)
- D240: Freight

Acceptable Codes to indicate The Connect BI Allowance:

- B720: Cooperative Advertising/Merchandising Allowance
- C350: Distributor Discount/Marketing Allowance
- F670: Price and Marketing Allowance

Acceptable Codes to indicate The Administrative Allowance:

- A172: Administrative Allowance

**Charge Codes and Descriptions Used when SAC01=C**

Acceptable Codes to indicate Container/Bottle Deposit Charges:

- B570: Container Deposits

Acceptable Codes to indicate any Pallet Charges:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		- F170: Pallet Charge - F180: Pallet - I020: Third Party Pallets				
		<b><u>Codes and Descriptions Used when SAC01=A or C</u></b>				
		Code to indicate any other Allowances or Charges not previously defined:				
		- H920: Miscellaneous (Charges or Allowances)				
		- D240: Freight				
		<b>CodeList Summary</b> (Total Codes: 1090, Included: 15)				
		<b><u>Code Name</u></b>				
		A172 Administrative				
		B570 Container Deposits				
		B720 Cooperative Advertising/Merchandising Allowance (Performance)				
		C000 Defective Allowance				
		C290 Discount - Service Option (Pickup)				
		<b>User Note 1:</b>				
		<i>Freight Allowance / Discount – Service Option (Pickup)</i>				
		C350 Distributor Discount/Allowance				
		D240 Freight				
		F170 Pallet Exchange Charge				
		F180 Pallet				
		F670 Price and Marketing Allowance				
		G860 Shrink Allowance				
		H560 Swell				
		H920 Temporary Allowance				
		<b>User Note 1:</b>				
		<i>Miscellaneous (Charges or Allowances)</i>				
		I020 Third Party Pallets				
		I410 Unsaleable Merchandise Allowance				
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
		<b>Description:</b> Monetary amount				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<b>CodeList Summary</b> (Total Codes: 16, Included: 1)				
		<b><u>Code Name</u></b>				
		Z Mutually Defined				
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
		<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use

**Description:** Code indicating method of handling for an allowance or charge

**CodeList Summary** (Total Codes: 22, Included: 2)

**Code Name**

- 02 Off Invoice
- 06 Charge to be Paid by Customer

SAC15	352	<b>Description</b>	M	AN	1/80	Must use
-------	-----	--------------------	---	----	------	----------

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

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

**User Option (Usage):** Must use  
**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	M	ID	2/2	Must use

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 77, Included: 1)

**Code Name**

14 Previously agreed upon

ITD02	333	Terms Basis Date Code	M	ID	1/2	Must use
-------	-----	-----------------------	---	----	-----	----------

**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 1)

**Code Name**

15 Receipt of Goods

ITD03	338	Terms Discount Percent	X	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

## Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

## Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

## Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

# DTM Date/Time Reference

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

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

**Purpose:** To specify pertinent dates and times

### User Note 1:

*One of Requested Delivery Date (DTM01=002) or Requested Pickup Date (DTM01=118) must be sent.*

### 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: 1280, Included: 2)

<u>Code</u>	<u>Name</u>
002	Delivery Requested
118	Requested Pickup

DTM02	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

### Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

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

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

**Purpose:** To specify the carrier and sequence of routing and provide transit time 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>
TD504	91	Transportation Method/Type Code	M	ID	1/2	Must use

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

**CodeList Summary** (Total Codes: 80, Included: 2)

**Code Name**

H	Customer Pickup
M	Motor (Common Carrier)

## Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

## Semantics:

1. TD515 is the country where the service is to be performed.

## Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

# Loop Extended Reference Information

Pos: 2950    Repeat: 1000  
 Optional  
 Loop: N9    Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2950	N9	Extended Reference Information	O	1		Used
3000	MTX	Text	O	>1		Used

# N9 Extended Reference Information

Pos: 2950	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 1)

**Code Name**

KZ Master Solicitation Procedures, Terms, and Conditions

N902	127	Reference Identification	M	AN	1/50	Must use
------	-----	--------------------------	---	----	------	----------

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

**User Note 1:** N902 will contain the following code to identify the type of note to follow in MTX02:  
 . TERM: PO Acceptance Terms

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# MTX Text

Pos: 3000	Max: >1
Heading - Optional	
Loop: N9	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify textual data

## 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>
MTX02	1551	Textual Data	M	AN	1/4096	Must use

**Description:** To transmit large volumes of message text

**User Note 1:** *If N902 =*

*. TERM - MTX02 is used to indicate KeHE's PO Acceptance Terms.*

## Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

## Semantics:

1. MTX05 is the number of lines to advance before printing.

## Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

# Loop Party Identification

Pos: 3100	Repeat: 4
Mandatory	
Loop: N1	Elements: N/A

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
3100	N1	Party Identification	M	1		Must use
3300	N3	Party Location	M	1		Must use
3400	N4	Geographic Location	M	1		Must use
3600	PER	Administrative Communications Contact	O	1		Used

# N1 Party Identification

Pos: 3100	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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

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

## 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: 1500, Included: 4)

**Code Name**

BT Bill-to-Party

**User Note 1:**

*Mandatory*

BY Buying Party (Purchaser)

**User Note 1:**

*Conditional - Mandatory when BEG02=DS*

SF Ship From

**User Note 1:**

*Conditional - Used for Pickup Orders. The Ship From Address will be the Pickup Address.*

ST Ship To

**User Note 1:**

*Mandatory*

N102	93	Name	M	AN	1/60	Must use
------	----	------	---	----	------	----------

**Description:** Free-form name

N103	66	Identification Code Qualifier	C	ID	1/2	Used
------	----	-------------------------------	---	----	-----	------

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**User Note 1:**

*Mandatory when N101=BT  
Mandatory when BEG02=SA and N101=ST  
Mandatory when BEG02=DS and N101=BY*

**CodeList Summary** (Total Codes: 241, Included: 1)

**Code Name**

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

N104	67	Identification Code	C	AN	2/80	Used
------	----	---------------------	---	----	------	------

**Description:** Code identifying a party or other code

**User Note 1:**

*Mandatory when N101=BT  
Mandatory when BEG02=SA and N101=ST  
Mandatory when BEG02=DS and N101=BY*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p><i>When N101=ST, this will be the KeHE Ship To ID. When N101=BY, this will be the KeHE Buying DC.</i></p> <p><i>See KeHE Distributors - DC addresses with EDI Location Identification Codes for the complete list of KeHE ID codes and addresses used for the Bill To, Ship To, and Buying DC.</i></p>				

### Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

### 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.

# N3 Party Location

Pos: 3300	Max: 1
Heading - Mandatory	
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 - Mandatory	
Loop: N1	Elements: 4

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

**Purpose:** To specify the geographic place 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>
N401	19	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

## 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.

# PER Administrative Communications Contact

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

**User Option (Usage):** Used

**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	<b>Contact Function Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>CodeList Summary</b> (Total Codes: 238, Included: 2)</p> <p><b>Code Name</b></p> <p>BI Bill Inquiry Contact</p> <p>SD Shipping Department</p>						
PER02	93	<b>Name</b>	M	AN	1/60	Must use
<p><b>Description:</b> Free-form name</p>						
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 42, Included: 1)</p> <p><b>Code Name</b></p> <p>TE Telephone</p>						
PER04	364	<b>Communication Number</b>	X	AN	1/256	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# Loop Baseline Item Data

Pos: 0100      Repeat:  
                                  100000  
**Mandatory**  
 Loop: PO1    Elements: N/A

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	PO1	Baseline Item Data	M	1		Must use
0400		Loop CTP	O		1	Used
0500		Loop PID	M		1	Must use
0900	PO4	Item Physical Details	O	1		Used
1300		Loop SAC	O		1	Used

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 14

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

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

## 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	Used
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
PO102	380	<b>Quantity</b>	M	R	1/15	Must use
<b>Description:</b> Numeric value of quantity						
PO103	355	<b>Unit or Basis for Measurement Code</b>	M	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: 844, Included: 1)						
<u>Code</u> <u>Name</u>						
CA Case						
PO104	212	<b>Unit Price</b>	M	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
<b>User Note 1:</b> <i>Gross Price - KeHE will always communicate the case price of the item, even if it is a catch weight item.</i>						
<i>Price may contain up to 3 decimals.</i>						
PO106	235	<b>Product/Service ID Qualifier</b>	M	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: 519, Included: 1)						
<u>Code</u> <u>Name</u>						
UP UCC - 12						
PO107	234	<b>Product/Service ID</b>	M	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: 519, Included: 1)						
<u>Code</u> <u>Name</u>						
UK GTIN 14-digit Data Structure						
PO109	234	<b>Product/Service ID</b>	O	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO110	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 519, Included: 1)</p> <p><b>Code Name</b></p> <p>IN Buyer's Item Number</p> <p><b>User Note 1:</b>  <i>KeHE Item Number - 8 digits with leading zeros (can be different by DC)</i></p>						
PO111	234	<b>Product/Service ID</b>	O	AN	1/48	Used
<p><b>Description:</b> Identifying number for a product or service</p>						
PO112	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 519, Included: 1)</p> <p><b>Code Name</b></p> <p>VN Vendor's (Seller's) Item Number</p> <p><b>User Note 1:</b>  <i>Vendor SKU</i></p>						
PO113	234	<b>Product/Service ID</b>	O	AN	1/48	Used
<p><b>Description:</b> Identifying number for a product or service</p>						
PO114	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 519, Included: 1)</p> <p><b>Code Name</b></p> <p>EN EAN/UCC - 13</p>						
PO115	234	<b>Product/Service ID</b>	O	AN	1/48	Used
<p><b>Description:</b> Identifying number for a product or service</p>						

**Syntax Rules:**

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.

12. P2425 - If either PO124 or PO125 is present, then the other is required.

**Semantics:**

1. PO102 is quantity ordered.

**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.

# Loop Pricing Information

Pos: 0400	Repeat: 1
Optional	
Loop: CTP	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify pricing information

**User Note 1:**

*Sent for catch weight/random weight items.*

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0400	CTP	Pricing Information	O	1		Used

# CTP Pricing Information

Pos: 0400	Max: 1
Detail - Optional	
Loop: CTP	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pricing 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>
CTP02	236	Price Identifier Code	M	ID	3/3	Must use

**Description:** Code identifying pricing specification

**CodeList Summary** (Total Codes: 168, Included: 1)

**Code Name**

ALT Alternate Price

**User Note 1:**

*Price Per Pound*

CTP03	212	Unit Price	M	R	1/17	Must use
-------	-----	------------	---	---	------	----------

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

**User Note 1:** *Price per pound for catch weight/random weight items.*

## Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

## Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

## Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

# Loop Product/Item Description

Pos: 0500	Repeat: 1
Mandatory	
Loop: PID	Elements: N/A

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0500	PID	Product/Item Description	M	1		Must use

# PID Product/Item Description

Pos: 0500	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

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

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

## 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)

Code Name

F Free-form

PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use
-------	-----	-------------------------------------	---	----	-----	----------

**Description:** Code identifying the general class of a product or process characteristic

**CodeList Summary** (Total Codes: 238, Included: 1)

Code Name

08 Product

PID05	352	Description	M	AN	1/80	Must use
-------	-----	-------------	---	----	------	----------

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

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## 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.

# PO4 Item Physical Details

Pos: 0900	Max: 1
Detail - Optional	
Loop: PO1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, 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	M	NO	1/6	Must use

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

**User Note 1:** *Outer Pack*

## Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

## Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

## Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 358 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 1300      Repeat: 1  
 Optional  
 Loop: SAC    Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

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

**User Option (Usage):** Used

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

### User Note 1:

*Only one SAC value (allowance) sent per 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>
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>	M	ID	4/4	Must use
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
<b>CodeList Summary</b> (Total Codes: 1090, Included: 2)						
<u>Code</u> <u>Name</u>						
C310 Discount						
F800 Promotional Allowance						
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
<b>Description:</b> Monetary amount						
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated						
<b>CodeList Summary</b> (Total Codes: 16, Included: 1)						
<u>Code</u> <u>Name</u>						
Z Mutually Defined						
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)						
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>	M	ID	2/2	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------

**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	<b>Description</b>	M	AN	1/80	Must use
-------	-----	--------------------	---	----	------	----------

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

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# Loop Transaction Totals

Pos: 0100      Repeat: 1  
 Mandatory  
 Loop: CTT    Elements: N/A

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	CTT	Transaction Totals	M	1		Must use
0200	AMT	Monetary Amount Information	M	1		Must use

# CTT Transaction Totals

Pos: 0100      Max: 1  
 Summary - Mandatory  
 Loop: CTT      Elements: 4

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

**Purpose:** To transmit a hash total for a specific element in the 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>
CTT01	354	<b>Number of Line Items</b>	M	N0	1/6	Must use

**Description:** 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 will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed. ----- 1873 Hash Total

CTT03	81	<b>Weight</b>	X	R	1/10	Used
-------	----	---------------	---	---	------	------

**Description:** Numeric value of weight

CTT04	355	<b>Unit or Basis for Measurement Code</b>	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

**CodeList Summary** (Total Codes: 844, Included: 1)

<u>Code</u>	<u>Name</u>
LB	Pound

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

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

# AMT Monetary Amount Information

Pos: 0200      Max: 1  
 Summary - Mandatory  
 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: 1765, Included: 1)						
<b>Code Name</b>						
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)

## 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				

## Comments:

- SE is the last segment of each transaction set.