



# 850 Purchase Order

X12/V5010/850 : 850 Purchase Order

**Version: 1.0 Draft**

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# 850 Purchase Order

## Functional Group=PO

**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>
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
0400	CUR	Currency	O	1			Used
0500	REF	Reference Information	O	>1			Used
0600	PER	Administrative Communications Contact	O	3			Used
0800	FOB	F.O.B. Related Instructions	O	>1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1500	DTM	Date/Time Reference	O	10			Used
1500	DTM	Date/Time Reference	O	10			Used
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1			Used
<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>200</b>		
3100	N1	Party Identification	O	1			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	O	>1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
3100	N1	Party Identification	O	1			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	O	>1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
3100	N1	Party Identification	O	1			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	O	>1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
3100	N1	Party Identification	O	1			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	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>&gt;1</b>		

<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>
0400	CTP	Pricing Information	O	1			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
0500	PID	Product/Item Description	O	1			Used
0900	PO4	Item Physical Details	O	>1			Used
1000	REF	Reference Information	O	>1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
<b>LOOP ID - SLN</b>					<b>1000</b>		
4700	SLN	Subline Item Detail	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	O	1			Used
0200	AMT	Monetary Amount Information	O	1		N3/0200	Used

**Data Sample:**

*BEG\*00\*NE\*100001402326\*\*20240603~*  
*CUR\*BY\*Currency code~*  
*REF\*19\*KLP~*  
*PER\*BD\*Buyer Name\*TE\*933-515-8148~*  
*FOB\*CC~*  
*ITD\*05\*11\*\*\*\*\*90\*\*\*\*\*NET 90~*  
*DTM\*064\*20240603~*  
*DTM\*063\*20240603~*  
*DTM\*118\*20240603~*  
*TD5\*\*\*O\*\*\*KL\*CLSAI~*  
*TD5\*\*\*O\*\*\*PB\*USEC~*  
*N9\*PO\*100001402326~*  
*MTX\*\*1. SEND INVOICE TO ATTN ACCOUNTS PAYABLE. 2. NOTIFY OUR TRAFFIC MGR IF UNABLE~*  
*MTX\*\*TO MAKE DELIVERY. 3. SHOW PO. NO. ON INVOICE AND ALL SHIPPING DOCUMENTS. 4. DE~*  
*MTX\*\*LIVER BY APPOINTMENTS ONLY, CALL AT LEAST 24 HOURS IN ADVANCE.5. SUBJECT TO STA~*  
*MTX\*\*NDARD KROGER P.O. CONDITIONS. ADDRESS CHANGES - PLEASE SUBMIT VIA SUPPLIER HUB~*  
*MTX\*\*REPAYMENT REQUESTS AND/OR PAST DUE INVOICES - PLEASE VISIT LAVANTE PORTAL~*  
*N1\*ST\*HORNET LOGISTICS\*9\*1188635451001~*  
*N3\*3401 Salzman Rd~*  
*N4\*Monroe\*OH\*45044\*US~*  
*N1\*BT\*\*9\*1188635450000~*  
*N3\*KROGER (KRG LLC) - RASC\*P.O. BOX 305103~*  
*N4\*Nashville\*TN\*37230-5103\*US~*  
*N1\*VN\*Supplier Name - LIVE\*92\*432993~*  
*N3\*Supplier Address\*Supplier Address~*  
*N4\*Supplier City\*Supplier State\*Supplier Postal code\*Supplier Country~*  
*PO1\*1\*90\*CA\*11.52\*\*UK\*10041260330169\*PI\*101648029\*VN\*COAT323KK902P\*VE\*NA\*C3\*86~*  
*CTP\*\*ELC\*12.34~*

CTP\*\*RTL\*34.67~  
PID\*\*F\*\*\*ITEM DESCRIPTION1~  
PO4\*1\*\*\*\*\*4~  
REF\*DP\*67~  
SAC\*C\*C420\*\*\*\*\*0.1121\*\*\*\*02\*\*\*DRAYAGE~  
SLN\*000000099\*\*I\*1\*EA\*3.95\*WE\*\*PI\*101647055\*UK\*00041260330162\*VN\*914-8119P~  
PO1\*2\*90\*CA\*11.52\*\*UK\*10041260330152\*PI\*101648030\*VN\*COBH323KK902P\*VE\*NA\*C3\*86~  
CTP\*\*ELC\*12.36~  
CTP\*\*RTL\*34.69~  
PID\*\*F\*\*\*ITEM DESCRIPTION2~  
PO4\*4\*\*\*\*\*6~  
REF\*DP\*67~  
SAC\*C\*C420\*\*\*\*\*0.1121\*\*\*\*02\*\*\*DRAYAGE~  
SLN\*0000000107\*\*I\*1\*EA\*3.95\*WE\*\*PI\*101482457\*UK\*00041260330155\*VN\*914-8119P~  
CTT\*2\*180\*\*\*82\*CF~  
AMT\*TT\*2073.6~

# BEG Beginning Segment for Purchase Order

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**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

**Code Name**

- 00 Original
- 01 Cancellation
- 05 Replace

BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use
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**Description:** Code specifying the type of Purchase Order

**Code Name**

- CP Change to Purchase Order
- NE New Order

BEG03	324	Purchase Order Number	M	AN	1/22	Must use
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**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

BEG04	328	Release Number	O	AN	1/30	Used
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**Description:** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

BEG05	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Data Sample:

*BEG\*00\*NE\*900000012622\*\*20210804~*

# 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

## 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	Entity Identifier Code	M	ID	2/3	Must use

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

**Code Name**

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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**Description:** Code (Standard ISO) for country in whose currency the charges are specified

**Note:**

*Will only be sent when not USD (US Dollars).*

## Data Sample:

*CUR\*BY\*Currency code~*

# REF Reference Information

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

**User Option (Usage):** Used

**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

**Code Name**

19 Division Identifier

REF02	127	Reference Identification	X	AN	1/50	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Note:**

*This will contain the original vendor's order number sent in on an 855 VMI new order; a new order number assigned by Kroger has been provided in the BEG03. The new Kroger order number will need to be used on all subsequent documents.*

## Data Sample:

*REF\*19\*Kroger~*



# PER Administrative Communications Contact

Pos: 0600	Max: 3
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	Contact Function Code	M	ID	2/2	Must use

**Description:** Code identifying the major duty or responsibility of the person or group named

**Code Name**

BD Buyer Name or Department

PER02	93	Name	O	AN	1/60	Used
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**Description:** Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the type of communication number

**Code Name**

TE Telephone

PER04	364	Communication Number	X	AN	1/256	Used
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**Description:** Complete communications number including country or area code when applicable

## Data Sample:

*PER\*BD\*Buyer Name\*TE\*933-516-8148~*

# FOB F.O.B. Related Instructions

Pos: 0800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify transportation instructions relating to shipment

## 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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

**Description:** Code identifying payment terms for transportation charges

**Code Name**

- CC Collect
- DF Defined by Buyer and Seller
- PO Prepaid Only
- PP Prepaid (by Seller)

## Data Sample:

*FOB\*PP~*

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	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	<b>Terms Type Code</b>	O	ID	2/2	Used

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

Code Name

- 01 Basic
- 05 Discount Not Applicable

ITD02	333	<b>Terms Basis Date Code</b>	O	ID	1/2	Used
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**Description:** Code identifying the beginning of the terms period

Code Name

- 11 Completion And Acceptance Date

ITD03	338	<b>Terms Discount Percent</b>	O	R	1/6	Used
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**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	<b>Terms Discount Days Due</b>	X	N0	1/3	Used
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**Description:** Number of days in the terms discount period by which payment is due if terms discount is earned

ITD07	386	<b>Terms Net Days</b>	O	N0	1/3	Used
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**Description:** Number of days until total invoice amount is due (discount not applicable)

ITD12	352	<b>Description</b>	O	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

## Data Sample:

*ITD\*05\*11\*\*\*\*\*10\*\*\*\*\*NET 90~*

# DTM Date/Time Reference

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

**User Option (Usage):** Used

**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

**Code Name**

- 063 Do Not Deliver After
- 064 Do Not Deliver Before
- 118 Requested Pickup

DTM02	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

**Note:**

*You may receive both the Deliver Not Before and Deliver No Later Dates as well as the Requested Pickup Date; then if the delivery method changes the dates are already provided. If your system only allows 1 date, please use the 064 - Do Not Deliver Before date.*

## Data Sample:

*DTM\*064\*20210816~*  
*DTM\*063\*20210816~*  
*DTM\*118\*20210816~*

# DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**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

**Code Name**

704 Delivery Appointment Date and Time

DTM02	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

**Note:**

*You may receive both the Deliver Not Before and Deliver No Later Dates as well as the Requested Pickup Date; then if the delivery method changes the dates are already provided. If your system only allows 1 date, please use the 064 - Do Not Deliver Before date.*

DTM03	337	Time	X	TM	4/8	Used
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**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)

**Note:** Time (HHMM)

DTM04	623	Time Code	O	ID	2/2	Used
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**Description:** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

**Code Name**

LT Local Time

**User Note 1:**

*You will only receive the Delivery Appointment Scheduled Date if a prescheduled appointment has been made for you*

## Data Sample:

*DTM\*704\*20210816\*0900\*LT~*

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 2400	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

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	X	ID	1/2	Used
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>Code Name</b>						
O Containerized Ocean						
TD507	309	Location Qualifier	O	ID	1/2	Used
<b>Description:</b> Code identifying type of location						
<b>Code Name</b>						
KL Port of Loading						
PB Port of Discharge						
TD508	310	Location Identifier	X	AN	1/30	Used
<b>Description:</b> Code which identifies a specific location						

## Data Sample:

*TD5\*\*\*\*O\*\*\*KL\*S~*  
*TD5\*\*\*\*O\*\*\*PB\*K~*

# 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
<b>Description:</b> Code qualifying the Reference Identification						
<b>Code Name</b>						
PO Purchase Order Number						
N902	127	Reference Identification	X	AN	1/50	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

## Data Sample:

*N9\*PO\*900000012622~*

# 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	X	AN	1/4096	Used

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

## Data Sample:

*MTX\*\*bf79ca68-a52e-4542-b6a4-411a2b823711 1. SEND INVOICE TO ATTN ACCOUNTS PAYABLE. ~*  
*MTX\*\*2. NOTIFY OUR TRAFFIC MGR IF UNABLE TO MAKE DELIVERY. 3. SHOW PO. NO. ON INVOI ~*



# N1 Party Identification

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

**User Option (Usage):** Used

**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

**Code Name**

ST Ship To

N102	93	Name	X	AN	1/60	Used
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**Description:** Free-form name

**Note:** Ship To Name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**Code Name**

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

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

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

**Note:**

The ST (ship to) will provide the Kroger location DUNS+4 number. Please refer to <http://edi.kroger.com.TBD> for a list of all the Kroger ship to locations and DUNS+4 numbers.

## Data Sample:

*N1\*ST\*HORNET LOGISTICS\*9\*1188635451001~*

# N3 Party Location

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

**User Option (Usage):** Used

**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	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

## Data Sample:

*N3\*3401 Salzman Rd~*

# N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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

## Data Sample:

*N4\*Monroe\*OH\*45044\*US~*

# N1 Party Identification

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

**User Option (Usage):** Used

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

## 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

**Code Name**

BT Bill-to-Party

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

**Description:** Free-form name

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

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

**Code Name**

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

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

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

**Note:**

The BT (bill to) will provide the Kroger location DUNS+4 number. Please refer to <http://edi.kroger.com.TBD> for a list of all the Kroger bill to locations and DUNS+4 numbers.

## Data Sample:

*N1\*BT\*\*9\*1188635450000~*

# N3 Party Location

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

**User Option (Usage):** Used

**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
		<b>Description:</b> Address information				
N302	166	Address Information	O	AN	1/55	Used
		<b>Description:</b> Address information				

**Note:**

Only provided for Ship To (ST) and Bill To (BT) locations

## Data Sample:

*N3\*KROGER (KRG LLC) - RASC\*P.O. BOX 305103~*

# N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

**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>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
		<b>Note:</b> Does not need to be provided if USD or US				

## Data Sample:

*N4\*Nashville\*TN\*37230-5103\*US~*

# N1 Party Identification

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

**User Option (Usage):** Used

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

## 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

**Code Name**

VN Vendor

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

**Description:** Free-form name

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

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

**Code Name**

92 Assigned by Buyer or Buyer's Agent

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

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

**Note:**

*Supplier Site ID - Kroger assigned numeric identifier that specifies a supplier's ship from location(s) and is associated to an order address in Kroger's Supplier Hub*

## Data Sample:

*N1\*VN\*Supplier Name - Live\*92\*425406~*

# N3 Party Location

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

**User Option (Usage):** Used

**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	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

## Data Sample:

*N3\*Supplier Address\*Supplier Address~*



# N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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

## Data Sample:

*N4\*Supplier City\*Supplier State\*Supplier Postal code\*Supplier Country~*

# N1 Party Identification

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

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>Code Name</b>				
		BR		Broker		
N102	93	<b>Name</b>	X	AN	1/60	Used
		<b>Description:</b> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<b>Code Name</b>				
		92		Assigned by Buyer or Buyer's Agent		
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

## Data Sample:

*N1\*BR\*BROKER\*92\*418249~*

# N3 Party Location

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

**User Option (Usage):** Used

**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	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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

# 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>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
PO103	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b><u>Code</u> <u>Name</u></b>				
		CA Case				
		EA Each				
PO104	212	<b>Unit Price</b>	X	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
PO106	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u> <u>Name</u></b>				
		ND National Drug Code (NDC)				
		UK GTIN 14-digit Data Structure				
		UP UCC - 12				
PO107	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
PO108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u> <u>Name</u></b>				
		PI Purchaser's Item Code				
PO109	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
PO110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

		<u>Code</u>	<u>Name</u>				
		VN	Vendor's (Seller's) Item Number				
PO111	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					
		<b>Note:</b> <i>You will receive at least 1 of the reference items (UPC/GTIN/NDC) or Vendor's Item Code (VN) and may receive both.</i>					
PO112	235	<b>Product/Service ID Qualifier</b>		X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<u>Code</u>	<u>Name</u>				
		VE	Vendor Color				
PO113	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					
PO114	235	<b>Product/Service ID Qualifier</b>		X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<u>Code</u>	<u>Name</u>				
		C3	Classification				
PO115	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					

**Data Sample:**

*PO1\*1\*24\*EA\*2.23\*\*UP\*073731004199\*PI\*100281448\*VN\*W9739\*VE\*NA\*C3\*0954/O216.~*

# 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	X	ID	3/3	Used

**Description:** Code identifying pricing specification

**Code Name**

ELC Estimated Landed Cost  
 RTL Retail

CTP03	212	Unit Price	X	R	1/17	Used
-------	-----	------------	---	---	------	------

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

## Data Sample:

*CTP\*\*ELC\*1234~*  
*CTP\*\*RTL\*3467~*

# PID Product/Item Description

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

**User Option (Usage):** Used

**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

**Code Name**

F Free-form

PID05	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

## Data Sample:

*PID\*F\*\*\*\*ITEM1 DESCRIPTION~*



# PO4 Item Physical Details

Pos: 0900	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

**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	<b>Pack</b>	O	N0	1/6	Used

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

PO414	810	<b>Inner Pack</b>	O	N0	1/6	Used
-------	-----	-------------------	---	----	-----	------

**Description:** The number of eaches per inner container

## Data Sample:

*PO4\*1\*\*\*\*\*4~*

# REF Reference Information

Pos: 1000	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

**User Option (Usage):** Used

**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

**Code Name**

DP Department Number

REF02	127	Reference Identification	X	AN	1/50	Used
-------	-----	--------------------------	---	----	------	------

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

## Data Sample:

*REF\*DP\*KLP~*

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1300	Max: 1
Detail - Optional	
Loop: SAC	Elements: 5

**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	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use

**Description:** Code which indicates an allowance or charge for the service specified

**Code Name**

- A Allowance
- C Charge

SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
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**Description:** Code identifying the service, promotion, allowance, or charge

SAC08	118	<b>Rate</b>	O	R	1/9	Used
-------	-----	-------------	---	---	-----	------

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

SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
-------	-----	--	---	----	-----	------

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

**Code Name**

- 02 Off Invoice

SAC15	352	<b>Description</b>	X	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

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

## Data Sample:

*SAC\*C\*COF\*\*\*\*\*0.4318\*\*\*\*\*02\*\*\*OCFRT~*

# SLN Subline Item Detail

Pos: 4700      Max: 1  
 Detail - Optional  
 Loop: SLN      Elements: 12

**User Option (Usage):** Used

**Purpose:** To specify product subline detail 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>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Must use
<b>Description:</b> Code indicating the relationship between entities						
		<u>Code</u> <u>Name</u>				
		I      Included				
SLN04	380	<b>Quantity</b>	X	R	1/15	Used
<b>Description:</b> Numeric value of quantity						
SLN05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
<b>Description:</b> To identify a composite unit of measure (See Figures Appendix for examples of use)						
SLN05-01	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						
		<u>Code</u> <u>Name</u>				
		CA      Case				
		EA      Each				
SLN06	212	<b>Unit Price</b>	X	R	1/17	Used
<b>Description:</b> Price per unit of product, service, commodity, etc.						
SLN07	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type of unit price for an item						
		<u>Code</u> <u>Name</u>				
		WE      Wholesale Price per Each				
		WI      Weekly Price per Unit				
SLN09	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
		<u>Code</u> <u>Name</u>				
		PI      Purchaser's Item Code				
SLN10	234	<b>Product/Service ID</b>	X	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>
SLN11	235	<b>Product/Service ID Qualifier</b>	X	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>Code Name</b></p> <p>EN EAN/UCC - 13</p> <p>UK GTIN 14-digit Data Structure</p> <p>UP UCC - 12</p>						
SLN12	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<p><b>Description:</b> Identifying number for a product or service</p>						
SLN13	235	<b>Product/Service ID Qualifier</b>	X	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>Code Name</b></p> <p>VN Vendor's (Seller's) Item Number</p>						
SLN14	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<p><b>Description:</b> Identifying number for a product or service</p>						

**Data Sample:**

*SLN\*0001\*\*I\*1\*EA\*3.95\*WE\*\*PI\*30472617\*UK\*00883825493543\*VN\*914-8119P~*

# CTT Transaction Totals

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

**User Option (Usage):** Used

**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

CTT05	183	<b>Volume</b>	X	R	1/8	Used
-------	-----	---------------	---	---	-----	------

**Description:** Value of volumetric measure

CTT06	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

## Data Sample:

*CTT\*2\*280\*\*\*18\*CF~*

# AMT Monetary Amount Information

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

**User Option (Usage):** Used

**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				
		<u>Code</u>	<u>Name</u>			
		TT	Total Transaction Amount			
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
		<b>Description:</b> Monetary amount				

## Data Sample:

*AMT\*TT\*193.7~*