

850 Purchase Order - Canada

VICS EDI

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850 Purchase Order - Canada

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.

User Note 1:

This functional Profile is used by the grocery and pharmaceutical industries in Canada. It is used in conjunction with VICS EDI Guidelines for this transaction set.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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	O	>1			Used
0600	PER	Administrative Communications Contact	O	3			Used
0800	FOB	F.O.B. Related Instructions	O	>1			Used
LOOP ID - SAC					25		
1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1500	DTM	Date/Time Reference	O	10			Used
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1			Used
2500	TD3	Carrier Details (Equipment)	O	12			Used
LOOP ID - N9					1000		
2950	N9	Extended Reference Information	O	1			Used
3000	MTX	Text	O	>1			Used
LOOP ID - N1					200		
3100	N1	Party Identification	O	1			Used
3200	N2	Additional Name Information	O	2			Used
3300	N3	Party Location	O	2			Used
3400	N4	Geographic Location	O	>1			Used
3500	REF	Reference Information	O	12			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/0100L	
0100	PO1	Baseline Item Data	M	1		N2/0100	Must use
LOOP ID - CTP					≥1		

<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
<u>LOOP ID - PID</u>					<u>1000</u>		
0500	PID	Product/Item Description	O	1			Used
0900	PO4	Item Physical Details	O	>1			Used
<u>LOOP ID - SAC</u>					<u>25</u>		
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
1900	SDQ	Destination Quantity	O	500			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>
<u>LOOP ID - CTT</u>					<u>1</u>	<u>N3/0100L</u>	
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0300	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/0100L PO102 is required.

2/0100 PO102 is required.

3/0100L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

3/0100 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

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

Code List Summary (Total Codes: 318, Included: 1)

Code Name

850 Purchase Order

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

User Note 1: The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

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 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: 6

User Option (Usage): Must use

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

User Note 1:

If BEG02 contains code RL, then BEG04 is required. BEG03 contains the purchase order number which is being released against and BEG04 contains the release 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>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 66, Included: 3)

<u>Code</u>	<u>Name</u>
00	Original
06	Confirmation
22	Information Copy

User Note 1:

This code is used to notify anyone other than the seller about this order.

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 List Summary (Total Codes: 76, Included: 2)

<u>Code</u>	<u>Name</u>
KC	Contract

Description: A legally binding document wherein one party agrees to provide supplies or services and another party agrees to provide compensation for the supplies or services

SA	Stand-alone Order
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BEG03	324	Purchase Order Number	M	AN	1/22	Must use
-------	-----	-----------------------	---	----	------	----------

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

User Note 1: Retailer's original purchase order number

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

User Note 1: Retailer's release against the purchase order, if used

BEG05	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

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

User Note 1: Retailer's original purchase order date

BEG06	367	Contract Number	O	AN	1/30	Used
-------	-----	-----------------	---	----	------	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Contract number

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:

See Section V (VICS EDI Conventions) for CUR usage

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 List Summary (Total Codes: 1504, Included: 1)

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

User Note 1: See External Code Source 5 in Section III for reference document.

Code List Summary (Total Codes: 2, Included: 2)

Code Name

CAD Canadian Dollars

USD U.S. Dollars

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

User Option (Usage): Used

Purpose: To specify identifying information

User Note 1:

When REF01 contains code PG, REF02 is used to specify the alphanumeric description of the product group or selling zone required on the shipping label. The maximum length is 18 characters. See GS1 General Specifications document for specific guidance.

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 List Summary (Total Codes: 1754, Included: 6)

Code Name

AH Agreement Number

D3 National Council for Prescription Drug Programs Pharmacy Number

User Note 1:

See External Code Source 307 in Section III for reference document.

DP Department Number

User Note 1:

This code may be used in the header area or the detail area, but not both.

IA Internal Vendor Number

User Note 1:

Identification number assigned to the vendor, by the retailer, for use within the retailer's system

IT Internal Customer Number

User Note 1:

Identification number assigned to the retailer, by the vendor, for use within the vendor's system

PD Promotion/Deal Number

REF02	127	Reference Identification	X	AN	1/50	Must use
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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: 3
Heading - Optional	
Loop: N/A	Elements: 8

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 List Summary (Total Codes: 241, Included: 2)

Code Name

BD Buyer Name or Department
IC Information Contact

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 List Summary (Total Codes: 42, Included: 3)

Code Name

EM Electronic Mail
FX Facsimile
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

PER05	365	Communication Number Qualifier	X	ID	2/2	Used
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Description: Code identifying the type of communication number

User Note 1: See PER03 for code list

PER06	364	Communication Number	X	AN	1/256	Used
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Description: Complete communications number including country or area code when applicable

PER07	365	Communication Number Qualifier	X	ID	2/2	Used
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Description: Code identifying the type of communication number

User Note 1: See PER03 for code list

PER08	364	Communication Number	X	AN	1/256	Used
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Description: Complete communications number including country or area code when applicable

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.

FOB F.O.B. Related Instructions

Pos: 0800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

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 List Summary (Total Codes: 31, Included: 3)

Code Name

CC Collect
PB Customer Pickup/Backhaul
PP Prepaid (by Seller)

FOB02	309	Location Qualifier	X	ID	1/2	Used
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Description: Code identifying type of location

Code List Summary (Total Codes: 184, Included: 2)

Code Name

DE Destination (Shipping)
OR Origin (Shipping Point)

FOB03	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

User Note 1: Free-form name of transportation responsibility location

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

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: 15

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:

There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the header area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the header area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

SAC04 contains special service requirement codes and special processing codes. This code list is maintained in Section III of this guideline.

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

Code List Summary (Total Codes: 7, Included: 4)

Code Name

A	Allowance
C	Charge
N	No Allowance or Charge
R	Allowance Request

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

User Note 1: See Section III for service, allowance and charge code list. Preferred Canadian tax code usage is listed below.

Code List Summary (Total Codes: 1090, Included: 5)

Code Name

D350 Goods and Services Credit Allowance

User Note 1:

Used for GST and HST Credit Allowance

D360 Goods and Services Tax Charge

User Note 1:

Used for GST and HST Tax Charge

H490 Subject To Tax On Resale

User Note 1:

Used for Provincial Tobacco Tax

H770 Tax - State Tax

User Note 1:

		<u>Code</u>	<u>Name</u>					
			Used for Provincial Sales Tax					
	H806		Tax Credit					
			User Note 1: Used for Provincial Tax Credit					
SAC03	559	Agency Qualifier Code		X	ID	2/2		Used
		Description:	Code identifying the agency assigning the code values					
		Code List Summary	(Total Codes: 195, Included: 1)					
		<u>Code</u>	<u>Name</u>					
		VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI					
			User Note 1: See External Code Source 70 in Section III for reference document.					
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN	1/10		Used
		Description:	Agency maintained code identifying the service, promotion, allowance, or charge					
		User Note 1:	See External Code Source 46 in Section III for reference document.					
			See Section III for code list.					
SAC05	610	Amount		O	N2	1/15		Used
		Description:	Monetary amount					
		User Note 1:	When SAC01 contains code A or code C, then this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.					
SAC06	378	Allowance/Charge Percent Qualifier		X	ID	1/1		Used
		Description:	Code indicating on what basis allowance or charge percent is calculated					
		Code List Summary	(Total Codes: 16, Included: 7)					
		<u>Code</u>	<u>Name</u>					
		1	Item List Cost					
		2	Item Net Cost					
		3	Discount/Gross					
			User Note 1: All allowances are off the gross price including cash discount.					
		4	Discount/Net					
			User Note 1: All allowances are off the gross price. Cash discounts are off the net.					
		5	Base Price per Unit					
			User Note 1: Line item discount					
		6	Base Price Amount					
		7	Base Price Amount Less Previous Discount					
			User Note 1: Declining balance method					
SAC07	332	Percent, Decimal Format		X	R	1/6		Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																		
		<p>Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)</p> <p>User Note 1: The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</p>																																						
SAC08	118	Rate	O	R	1/9	Used																																		
		<p>Description: Rate expressed in the standard monetary denomination for the currency specified</p>																																						
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used																																		
		<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code List Summary (Total Codes: 884, Included: 16)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>BA</td><td>Bale</td></tr> <tr><td>BG</td><td>Bag</td></tr> <tr><td>BO</td><td>Bottle</td></tr> <tr><td>BX</td><td>Box</td></tr> <tr><td>CA</td><td>Case</td></tr> <tr><td>CN</td><td>Can</td></tr> <tr><td>CT</td><td>Carton</td></tr> <tr><td>DS</td><td>Display</td></tr> <tr><td>DZ</td><td>Dozen</td></tr> <tr><td>EA</td><td>Each</td></tr> <tr><td>KG</td><td>Kilogram</td></tr> <tr><td>LB</td><td>Pound</td></tr> <tr><td>M4</td><td>Monetary Value</td></tr> <tr><td>PK</td><td>Package</td></tr> <tr><td>PL</td><td>Pallet/Unit Load</td></tr> <tr><td>RL</td><td>Roll</td></tr> </tbody> </table> <p>User Note 1: This code identifies when there is a dollar value in SAC10. It implies that the value is Canadian dollars, unless the Header CUR segment specifies differently.</p>					<u>Code</u>	<u>Name</u>	BA	Bale	BG	Bag	BO	Bottle	BX	Box	CA	Case	CN	Can	CT	Carton	DS	Display	DZ	Dozen	EA	Each	KG	Kilogram	LB	Pound	M4	Monetary Value	PK	Package	PL	Pallet/Unit Load	RL	Roll
<u>Code</u>	<u>Name</u>																																							
BA	Bale																																							
BG	Bag																																							
BO	Bottle																																							
BX	Box																																							
CA	Case																																							
CN	Can																																							
CT	Carton																																							
DS	Display																																							
DZ	Dozen																																							
EA	Each																																							
KG	Kilogram																																							
LB	Pound																																							
M4	Monetary Value																																							
PK	Package																																							
PL	Pallet/Unit Load																																							
RL	Roll																																							
SAC10	380	Quantity	X	R	1/15	Used																																		
		<p>Description: Numeric value of quantity</p> <p>User Note 1: When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.</p> <p>SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.</p>																																						
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used																																		
		<p>Description: Code indicating method of handling for an allowance or charge</p> <p>Code List Summary (Total Codes: 22, Included: 6)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>01</td><td>Bill Back</td></tr> </tbody> </table> <p>User Note 1:</p>					<u>Code</u>	<u>Name</u>	01	Bill Back																														
<u>Code</u>	<u>Name</u>																																							
01	Bill Back																																							

<u>Code</u>	<u>Name</u>					
	The allowance or charge amount will be adjudicated as a separate item, i.e., a debit/credit memo or a separate invoice. The amount will not be reflected in the invoice total amount.					
02	Off Invoice					
	User Note 1: The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.					
03	Vendor Check to Customer					
	User Note 1: The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.					
04	Credit Customer Account					
	User Note 1: The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.					
05	Charge to be Paid by Vendor					
	User Note 1: The vendor is responsible for the allowance or charge amount. The trading partners have agreed to the exact amount of adjudication. The amount will not be reflected in the total invoice amount.					
06	Charge to be Paid by Customer					
	User Note 1: When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or charge amount is the responsibility of the customer or end consumer. If it is not a drop ship to the customer of the retailer, then the allowance or charge amount is the responsibility of the retailer. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.					
SAC13	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				
		User Note 1: Tax registration number.				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				
		User Note 1: See External Code Source 102 in Section III for reference document.				

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 - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

Purpose: To specify terms of sale

User Note 1:

This segment may be used in the header area or the detail area, but not both. See Section V (ITD Terms Specification and Formulas) for usage examples. Many times, deferred terms are specified on the purchase order with only the knowledge that the terms are to be based on a date value which is not known, e.g., invoice or delivery date. What is known is the percentage or dollar amount of each deferred installment, and the number of days after the date the terms are based on, that each installment will be due. In these cases, ITD01 will contain code 04, indicating deferred or installment terms, and ITD02 will contain the appropriate terms date basis code (most typically code 2 for Delivery Date, code 3 for Invoice Date, or code 15 for Receipt of Goods Date). ITD07 will contain the number of days after the terms basis date that this installment is due. ITD10 or ITD11 will be used to indicate a dollar amount (ITD10) for that installment or the percent (ITD11) for that installment. Use one ITD segment for each installment. When specifying deferred terms and the exact terms basis date is known, e.g., invoice date, ITD09 should be used to specify the exact deferred or installment date.

Element Summary:

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

Description: Code identifying type of payment terms

Code List Summary (Total Codes: 77, Included: 8)

Code Name

- 02 End of Month (EOM)
- 04 Deferred or Installment
- 05 Discount Not Applicable
- 08 Basic Discount Offered
- 09 Proximo
- 12 10 Days After End of Month (10 EOM)
- 14 Previously agreed upon
- 21 Fast Pay

Description: Code indicating that an invoice is subject to accelerated payment

User Note 1:

Purchase order is subject to anticipation.

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

Code List Summary (Total Codes: 17, Included: 7)

Code Name

- 1 Ship Date
- 2 Delivery Date
- 3 Invoice Date
- 4 Specified Date
- 7 Effective Date

User Note 1:

	<u>Code</u>	<u>Name</u>				
			The date is specified in the DTM segment in the header area using code 007 in DTM01.			
	8	Invoice Transmission Date				
	15	Receipt of Goods				
ITD03	338	Terms Discount Percent	O	R	1/6	Used
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date				
		User Note 1: The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".				
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				
		User Note 1: The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.				
ITD07	386	Terms Net Days	O	N0	1/3	Used
		Description: Number of days until total invoice amount is due (discount not applicable)				
		User Note 1: The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.				
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
		Description: Total amount of terms discount				

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: 10
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify pertinent dates and times

User Note 1:

This segment is used to specify order processing 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>
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 List Summary (Total Codes: 1288, Included: 2)

Code Name

002 Delivery Requested

118 Requested Pickup

Description: Pick-up date for backhaul

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

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

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)

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 - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

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

User Note 1:

This segment is used to specify every carrier in the routing sequence or a specific routing sequence that has been previously identified (usually from a routing guide). The segment can also be used to indicate estimated transit time in days. Only use TD501 if needed for clarity; this is not a requirement in most retail applications. When referring to a pre-established routing guide, use code 91 or 92 in TD502, and identify the routing sequence, from the routing guide, in TD503. To identify a specific private parcel service, TD502 will contain code 2, and TD503 will contain the corresponding SCAC. TD510 and TD511 are used to specify transit time.

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>
TD501	133	Routing Sequence Code	O	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

Code List Summary (Total Codes: 23, Included: 13)

Code Name

1	1st Carrier after Origin Carrier
2	2nd Carrier after Origin Carrier
3	3rd Carrier after Origin Carrier
4	4th Carrier after Origin Carrier
5	5th Carrier after Origin Carrier
6	6th Carrier after Origin Carrier
7	7th Carrier after Origin Carrier
8	8th Carrier after Origin Carrier
9	9th Carrier after Origin Carrier
A	Origin Carrier, Agent's Routing (Rail)
B	Origin/Delivery Carrier (Any Mode)
O	Origin Carrier (Air, Motor, or Ocean)
S	Origin Carrier, Shipper's Routing (Rail)

TD502	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 List Summary (Total Codes: 249, Included: 7)

Code Name

1	D-U-N-S Number, Dun & Bradstreet
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User Note 1:

See External Code Source 16 in Section III for reference document.

2	Standard Carrier Alpha Code (SCAC)
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User Note 1:

See External Code Source 17 in Section III for reference document.

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

User Note 1:

See External Code Source 16 in Section III for reference document.

21 Health Industry Number (HIN)

User Note 1:

See External Code Source 121 in Section III for reference document.

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

UL Global Location Number (GLN)

Description: This is a 13 digit Global Location Number (GLN).

User Note 1:

Refer to Code Source 583 in Section III for reference document.

TD503	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

TD504	91	Transportation Method/Type Code	X	ID	1/2	Used
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Description: Code specifying the method or type of transportation for the shipment

Code List Summary (Total Codes: 80, Included: 2)

Code Name

H Customer Pickup

M Motor (Common Carrier)

TD505	387	Routing	X	AN	1/35	Used
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Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

User Note 1: The example below shows the switching of carriers. "ABC" will now haul the product instead of the "XYZ" company. When the buyer creates the purchase order, he does not care who the carrier is; this is the responsibility of the traffic department. It should not be up to the buyer or traffic clerk to pick up a phone, call the supplier, and tell them the new routing. The purchase order should handle that.

User Note 2: Other examples where other carriers have been switched, based on weight. For example, if the buyers were to order product where the total purchase order weight is less than 250 lbs, the routing on the purchase order would say to ship via courier. If the purchase order weight were over 250 lbs, the routing would say to ship via carrier, "QRS". It was mentioned that sending a master document to each supplier that would outline who is to haul the product. This seems like a labour intensive process considering the number of suppliers (100's).

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.

TD3 Carrier Details (Equipment)

Pos: 2500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Purpose: To specify transportation details relating to the equipment used by the carrier

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>
TD301	40	Equipment Description Code	X	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

Code List Summary (Total Codes: 141, Included: 4)

Code Name

CV	Closed Van
FT	Flat Bed Trailer
RT	Controlled Temperature Trailer (Reefer)
TL	Trailer (not otherwise specified)

Syntax Rules:

1. E0110 - Only one of TD301 or TD310 may be present.
2. C0203 - If TD302 is present, then TD303 is required.
3. C0405 - If TD304 is present, then TD305 is required.
4. P0506 - If either TD305 or TD306 is present, then the other is required.

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

Code List Summary (Total Codes: 1754, Included: 6)

Code Name

AH Agreement Number

D3 National Council for Prescription Drug Programs Pharmacy Number

User Note 1:

See External Code Source 307 in Section III for reference document.

DP Department Number

User Note 1:

This code may be used in the Header or Detail area, but not both.

IA Internal Vendor Number

User Note 1:

Identification number assigned to the vendor, by the retailer, for use within the retailer's system.

IT Internal Customer Number

User Note 1:

Identification number assigned to the retailer, by the vendor, for use within the vendor's system.

PD Promotion/Deal Number

N902	127	Reference Identification	X	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 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: 3

User Option (Usage): Used

Purpose: To specify textual data

User Note 1:

This segment will contain any text clauses for the agreement referenced in the previous N9 segment.

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>
MTX01	363	Note Reference Code	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

Code List Summary (Total Codes: 349, Included: 4)

Code Name

DEL Delivery
ORI Order Instructions
OTH Other Instructions
WHI Warehouse Instruction

MTX02	1551	Textual Data	X	AN	1/4096	Used
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Description: To transmit large volumes of message text

MTX03	1551	Textual Data	O	AN	1/4096	Used
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Description: To transmit large volumes of message text

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: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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	O	1		Used
3200	N2	Additional Name Information	O	2		Used
3300	N3	Party Location	O	2		Used
3400	N4	Geographic Location	O	>1		Used
3500	REF	Reference Information	O	12		Used

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

User Note 1:

This segment is used to identify the retailer's locations as they pertain to the order. The ship-to (N101 contains code ST) may be identified in the header area or the detail area, but not both.

N103 and N104 are required except when N101 contains code CT, L5, MA or OB, or for direct-to-consumer when N101 contains code ST.

In some EDI implementations, it may be necessary to identify the sender and/or receiver of the transaction set. To identify the sender of the transaction set, N101 will contain code FR. To identify the receiver of the transaction set, N101 will contain code TO.

For spreadsheet orders, the SDQ segment identifies the retailer's ultimate destinations. When necessary, the N1 segment may be used to identify the bill-to or ship-to location. Only one iteration of each of the bill-to or ship-to is allowed. CAUTION, this will override every bill to or ship to for every location in the SDQ segment(s). For example, when the buyer is instructing the supplier to package goods for cross docking, one iteration of the N1 segment, with N101 containing code ST, may be used to indicate the ship-to location. The ship-to location overrides the ship to that is normally associated with the locations identified in the SDQ segment(s).

For direct-to-consumer orders, there must be at least one occurrence of the N1 segment to identify the retailer (N101 contains code BT or SN).

When the ship to (N101 contains code ST) is the end consumer (customer of retailer), N103 and N104 are not required.

When a direct-to-consumer purchase order contains multiple ship-to locations, the N1 loop in the detail area is used to identify the ship-to locations.

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 List Summary (Total Codes: 1504, Included: 13)

Code Name

AG Agent/Agency

User Note 1:

Buyer's agent

BO Broker or Sales Office

User Note 1:

For a domestic purchase order, this is the manufacturer's sales office. For an import purchase order this is the sales office that interacts with the manufacturer's/buyer's agent.

BS Bill and Ship To

BT Bill-to-Party

CT Country of Origin

FR Message From

Code Name

MF Manufacturer of Goods

User Note 1:

Manufacturer of goods being supplied when supplier is not the manufacturer

RI Remit To

SE Selling Party

SF Ship From

ST Ship To

TO Message To

Z7 Mark-for Party

User Note 1:

This is the ultimate destination for the order when the location is not the ship to and the mark for party is specified on the shipping label.

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 List Summary (Total Codes: 249, Included: 6)

Code Name

1 D-U-N-S Number, Dun & Bradstreet

User Note 1:

See External Code Source 16 in Section III for reference document.

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

User Note 1:

See External Code Source 16 in Section III for reference document.

21 Health Industry Number (HIN)

User Note 1:

See External Code Source 121 in Section III for reference document.

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

UL Global Location Number (GLN)

Description: This is the 13-digit Global Location Number (GLN).

User Note 1:

See External Code Source 583 in Section III for reference document.

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

Description: Code identifying a party or other code

User Note 1: This is the location code as defined by N103. The location code may be a formal number, e.g., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.

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.

N2 Additional Name Information

Pos: 3200	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names

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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

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
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: 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	City Name	O	AN	2/30	Used

Description: Free-form text for city name

N402	156	State or Province Code	X	ID	2/2	Used
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Description: Code (Standard State/Province) as defined by appropriate government agency

User Note 1: See External Code Source 22 in Section III for reference document.

N403	116	Postal Code	O	ID	3/15	Used
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Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

User Note 1: See External Code Source 51 in Section III for reference document.

N404	26	Country Code	X	ID	2/3	Used
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Description: Code identifying the country

User Note 1: See External Code Source 5 in Section III for reference document.

Code List Summary (Total Codes: 3, Included: 3)

Code Name

CA Canada

MX Mexico

US United States

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.

REF Reference Information

Pos: 3500	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

User Note 1:

This segment is used to identify a dock number, within the ship-to location, when the ship-to-location number does not uniquely identify the ship to and dock number. It also may be used to identify the floor number within the delivery location.

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 List Summary (Total Codes: 1754, Included: 1)

Code Name

DK Dock Number

REF02	127	Reference Identification	X	AN	1/50	Must use
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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.

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	O		1000	Used
0900	PO4	Item Physical Details	O	>1		Used
1300		Loop SAC	O		25	Used
1900	SDQ	Destination Quantity	O	500		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

User Note 1:

The multi-SKU case pack is used by retailers to order cases packed with specific items, each with a specific quantity. This is similar to the dynamic assortment, however, the unit of measurement code in PO103 is different for each use.

For dynamic assortments, PO103 will contain code AS. This identifies the item listed in the Product/Service IDs as an assortment and the contents of the assortment are listed in subsequent SLN segments. For assortments, at least one occurrence of the Product/Service ID Qualifier and the Product/Service ID are required to identify the assortment. This may be a U.P.C., a vendor assigned number, or a retailer assigned number. There is no implication of packaging for assortments; this is part of the trading partners' business practices. Assortments are primarily used as an ordering tool.

For the multi-SKU case pack, PO103 will contain code CA, and there is no requirement to send a Product/Service ID in the PO1 segment. The use of code CA in PO103, and the presence of the SLN segments, informs the receiver to pack the cases with the SKUs and quantities in the SLN segments. The quantity in PO102 is the number of cases being ordered. Each SLN segment, that follows the PO1 segment, lists the Product ID, e.g., U.P.C., and the quantity of the SKU that is to be in the case. The total units in each case is the sum of the quantities in the SLN segment.

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>
PO102	380	Quantity	X	R	1/15	Must use

Description: Numeric value of quantity

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

Code List Summary (Total Codes: 884, Included: 16)

Code Name

2W	Bin	Description: Storage container used as a unit of measurement
BA	Bale	
BG	Bag	
BO	Bottle	
BX	Box	
CA	Case	
CN	Can	
CT	Carton	
DS	Display	
DZ	Dozen	
EA	Each	
KG	Kilogram	
LB	Pound	
PK	Package	
PL	Pallet/Unit Load	
RL	Roll	

PO104 212 **Unit Price** X R 1/17 Used

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

User Note 1: The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".

To indicate a no charge item or free goods, PO104 will contain a single zero (0) and PO105 will contains code NC.

User Note 2: Canadian Note: Used by the Canadian Rx (Pharmaceutical Industry ONLY); all others specify price using the CTP segment instead.

PO106 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 530, Included: 6)

Code Name

EN EAN/UCC - 13

Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

EO EAN/UCC - 8

Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

IN Buyer's Item Number

UK GTIN 14-digit Data Structure

Description: Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)

UP UCC - 12

Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)

VN Vendor's (Seller's) Item Number

PO107 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

PO108 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: See PO106 for code list

PO109 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

PO110 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: See PO106 for code list

PO111 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

PO112 235 **Product/Service ID Qualifier** X ID 2/2 Used

<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 identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: See PO106 for code list				
PO113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
PO114	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: See PO106 for code list				
PO115	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
PO116	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: See PO106 for code list				

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., 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

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: 5

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>
CTP01	687	Class of Trade Code	O	ID	2/2	Used

Description: Code indicating class of trade

Code List Summary (Total Codes: 62, Included: 6)

Code Name

AG Agent
BG Buying Group
DE Dealer
DI Distributor
RS Resale
WH Wholesaler

CTP02	236	Price Identifier Code	X	ID	3/3	Must use
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Description: Code identifying pricing specification

User Note 1: Net price includes allowances only, or list price before any allowance or charge. This is a trading partner established agreement.

Code List Summary (Total Codes: 168, Included: 3)

Code Name

RTL Retail
UCP Unit cost price

User Note 1:

Item list cost

User Note 2:

Unit price in the CTP02 is dependent on how the product is ordered (i.e. if the produce is ordered by the case, then the pricing in CTP02 is price-per-case).

WHL Wholesale

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

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

User Note 1: The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".

CTP04	380	Quantity	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

Description: Numeric value of quantity

CTP05	C001	Composite Unit of Measure	X	Comp		Used
-------	------	----------------------------------	---	------	--	------

Description: To identify a composite unit of measure (See Figures Appendix for examples of use)

Comments:

1. If C001-02 is not used, its value is to be interpreted as 1.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		2. If C001-03 is not used, its value is to be interpreted as 1. 3. If C001-05 is not used, its value is to be interpreted as 1. 4. If C001-06 is not used, its value is to be interpreted as 1. 5. If C001-08 is not used, its value is to be interpreted as 1. 6. If C001-09 is not used, its value is to be interpreted as 1. 7. If C001-11 is not used, its value is to be interpreted as 1. 8. If C001-12 is not used, its value is to be interpreted as 1. 9. If C001-14 is not used, its value is to be interpreted as 1. 10. If C001-15 is not used, its value is to be interpreted as 1.				
CTP05-01	355	Unit or Basis for Measurement Code	M	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

Code List Summary (Total Codes: 884, Included: 15)

Code Name

BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton
DS	Display
DZ	Dozen
EA	Each
KG	Kilogram
LB	Pound
PK	Package
PL	Pallet/Unit Load
RL	Roll

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: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

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	O	1		Used

PID Product/Item Description

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

User Option (Usage): Used

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

User Note 1:

The PID segment is used to provide product/item descriptions in text and or coded formats. The codes in PID04 are published only in this guideline.

This segment may be used to transmit semi-custom product descriptions, such as made-to-order window coverings, jewelry, furniture, apparel, automotive parts, and other customer specific products. When used for this purpose, PID04 will contain the multi-part VICS EDI Semi-Custom Product Description Code. The complete code list is contained in Section III. In addition to the VICS EDI Semi-Custom Product Description Code, PID05 may be used for text descriptions, PID06 for relative placement, and additional MEA segment(s) for actual measurement values.

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 List Summary (Total Codes: 3, Included: 3)

Code Name

F Free-form

User Note 1:

The description will be found in PID05.

S Structured (From Industry Code List)

User Note 1:

The description will be found in PID04.

X Semi-structured (Code and Text)

User Note 1:

The description will be found in PID04 and PID05.

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
-------	-----	-------------------------------------	---	----	-----	------

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

Code List Summary (Total Codes: 251, Included: 1)

Code Name

08 Product

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

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: 4

User Option (Usage): Used

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

User Note 1:

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using PO401 (Pack). The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case. The second level, specified using PO414 (Inner Pack), is the number of eaches in each inner container when PO401 is the number of smaller containers within the case. See Section V (Pack/Inner Pack Usage) for usage examples.

This segment may be used to specify the weight and/or volume (cube) for the item by using PO406 and PO407, and/or PO408 and PO409.

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

PO402	357	Size	X	R	1/8	Used
-------	-----	------	---	---	-----	------

Description: Size of supplier units in pack

PO403	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: 884, Included: 16)

Code Name

2W	Bin
BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton
DS	Display
DZ	Dozen
EA	Each
KG	Kilogram
LB	Pound
PK	Package
PL	Pallet/Unit Load
RL	Roll

Description: Storage container used as a unit of measurement

PO414	810	Inner Pack	O	N0	1/6	Used
-------	-----	------------	---	----	-----	------

Description: The number of eaches per inner container

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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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 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1300	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>
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: 14

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:

There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the header area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the header area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

SAC04 contains special service requirement codes and special processing codes. This code list is maintained in Section III of this guideline.

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

Code List Summary (Total Codes: 7, Included: 4)

Code Name

A	Allowance
C	Charge
N	No Allowance or Charge
R	Allowance Request

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
-------	------	---	---	----	-----	------

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

User Note 1: See Section III for service, allowance and charge code list. Preferred Canadian tax code usage is listed below.

Code List Summary (Total Codes: 1090, Included: 5)

Code Name

D350 Goods and Services Credit Allowance

User Note 1:

Used for GST and HST Credit Allowance

D360 Goods and Services Tax Charge

User Note 1:

Used for GST and HST Tax Charge

H490 Subject To Tax On Resale

User Note 1:

Used for Provincial Tobacco Tax

H770 Tax - State Tax

User Note 1:

		<u>Code</u>	<u>Name</u>				
			Used for Provincial Sales Tax				
	H806		Tax Credit				
			User Note 1: Used for Provincial Tax Credit				
SAC03	559	Agency Qualifier Code		X	ID	2/2	Used
			Description: Code identifying the agency assigning the code values				
			Code List Summary (Total Codes: 195, Included: 1)				
		<u>Code</u>	<u>Name</u>				
		VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI				
			User Note 1: See External Code Source 70 in Section III for reference document.				
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN	1/10	Used
			Description: Agency maintained code identifying the service, promotion, allowance, or charge				
			User Note 1: See External Code Source 46 in Section III for reference document.				
			See Section III for code list.				
SAC05	610	Amount		O	N2	1/15	Used
			Description: Monetary amount				
			User Note 1: When SAC01 contains code A or code C, then this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.				
SAC06	378	Allowance/Charge Percent Qualifier		X	ID	1/1	Used
			Description: Code indicating on what basis allowance or charge percent is calculated				
			Code List Summary (Total Codes: 16, Included: 7)				
		<u>Code</u>	<u>Name</u>				
		1	Item List Cost				
		2	Item Net Cost				
		3	Discount/Gross				
			User Note 1: All allowances are off the gross price including cash discount.				
		4	Discount/Net				
			User Note 1: All allowances are off the gross price. Cash discounts are off the net.				
		5	Base Price per Unit				
			User Note 1: Line item discount				
		6	Base Price Amount				
		7	Base Price Amount Less Previous Discount				
			User Note 1: Declining balance method				
SAC07	332	Percent, Decimal Format		X	R	1/6	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																						
		<p>Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)</p> <p>User Note 1: The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</p>																																										
SAC08	118	Rate	O	R	1/9	Used																																						
		<p>Description: Rate expressed in the standard monetary denomination for the currency specified</p>																																										
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used																																						
		<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code List Summary (Total Codes: 884, Included: 16)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>BA</td><td>Bale</td></tr> <tr><td>BG</td><td>Bag</td></tr> <tr><td>BO</td><td>Bottle</td></tr> <tr><td>BX</td><td>Box</td></tr> <tr><td>CA</td><td>Case</td></tr> <tr><td>CN</td><td>Can</td></tr> <tr><td>CT</td><td>Carton</td></tr> <tr><td>DS</td><td>Display</td></tr> <tr><td>DZ</td><td>Dozen</td></tr> <tr><td>EA</td><td>Each</td></tr> <tr><td>KG</td><td>Kilogram</td></tr> <tr><td>LB</td><td>Pound</td></tr> <tr><td>M4</td><td>Monetary Value</td></tr> <tr><td></td><td>User Note 1:</td></tr> <tr><td></td><td>Canadian Note: This code identifies when there is a dollar value in the SAC10. It implies that the value is Canadian Dollars, unless the Header CUR segment specifies differently.</td></tr> <tr><td>PK</td><td>Package</td></tr> <tr><td>PL</td><td>Pallet/Unit Load</td></tr> <tr><td>RL</td><td>Roll</td></tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	BA	Bale	BG	Bag	BO	Bottle	BX	Box	CA	Case	CN	Can	CT	Carton	DS	Display	DZ	Dozen	EA	Each	KG	Kilogram	LB	Pound	M4	Monetary Value		User Note 1:		Canadian Note: This code identifies when there is a dollar value in the SAC10. It implies that the value is Canadian Dollars, unless the Header CUR segment specifies differently.	PK	Package	PL	Pallet/Unit Load	RL	Roll
<u>Code</u>	<u>Name</u>																																											
BA	Bale																																											
BG	Bag																																											
BO	Bottle																																											
BX	Box																																											
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CN	Can																																											
CT	Carton																																											
DS	Display																																											
DZ	Dozen																																											
EA	Each																																											
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LB	Pound																																											
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RL	Roll																																											
SAC10	380	Quantity	X	R	1/15	Used																																						
		<p>Description: Numeric value of quantity</p> <p>User Note 1: When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.</p> <p>SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.</p>																																										
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used																																						
		<p>Description: Code indicating method of handling for an allowance or charge</p> <p>Code List Summary (Total Codes: 22, Included: 6)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Bill Back</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	01	Bill Back																																		
<u>Code</u>	<u>Name</u>																																											
01	Bill Back																																											

<u>Code</u>	<u>Name</u>
	<p>User Note 1: The allowance or charge amount will be adjudicated as a separate item, i.e., a debit/credit memo or a separate invoice. The amount will not be reflected in the invoice total amount.</p>
02	Off Invoice
	<p>User Note 1: The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.</p>
03	Vendor Check to Customer
	<p>User Note 1: The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.</p>
04	Credit Customer Account
	<p>User Note 1: The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.</p>
05	Charge to be Paid by Vendor
	<p>User Note 1: The vendor is responsible for the allowance or charge amount. The trading partners have agreed to the exact amount of adjudication. The amount will not be reflected in the total invoice amount.</p>
06	Charge to be Paid by Customer
	<p>User Note 1: When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or charge amount is the responsibility of the customer or end consumer. If it is not a drop ship to the customer of the retailer, then the allowance or charge amount is the responsibility of the retailer. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.</p>

SAC13	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

User Note 1: Canadian Note: Tax Registration Number

SAC15	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

SAC16	819	Language Code	O	ID	2/3	Used
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Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

User Note 1: See External Code Source 102 in Section III for reference document.

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.

SDQ Destination Quantity

Pos: 1900	Max: 500
Detail - Optional	
Loop: PO1	Elements: 22

User Option (Usage): Used

Purpose: To specify destination and quantity detail

User Note 1:

This segment is used to distribute the line item quantity to various locations. SDQ02 serves the same purpose as N103, and all occurrences of Data Element 67 in this segment function as N104. The sum of all quantities in the SDQ segment(s) for a line item must equal the quantity ordered in PO102.

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>
SDQ01	355	Unit or Basis for Measurement Code	M	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

Code List Summary (Total Codes: 884, Included: 15)

Code Name

BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton
DS	Display
DZ	Dozen
EA	Each
KG	Kilogram
LB	Pound
PK	Package
PL	Pallet/Unit Load
RL	Roll

SDQ02	66	Identification Code Qualifier	O	ID	1/2	Must use
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 249, Included: 6)

Code Name

1	D-U-N-S Number, Dun & Bradstreet
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User Note 1:

See External Code Source 16 in Section III for reference document.

9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
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User Note 1:

See External Code Source 16 in Section III for reference document.

21	Health Industry Number (HIN)
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Code Name

User Note 1:

See External Code Source 121 in Section III for reference document.

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

UL Global Location Number (GLN)

Description: This is the 13-digit Global Location Number (GLN).

User Note 1:

See External Code Source 583 in Section III for reference document.

SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Loop Transaction Totals

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

User Option (Usage): Used

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	O	1		Used

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 5

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	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

User Note 1: The number of PO1 segments present in the transaction set

CTT03	81	Weight	X	R	1/10	Used
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Description: Numeric value of weight

CTT04	355	Unit or Basis for Measurement Code	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

User Note 1: See Section III for code list.

CTT05	183	Volume	X	R	1/8	Used
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Description: Value of volumetric measure

CTT06	355	Unit or Basis for Measurement Code	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

User Note 1: See Section III for code list.

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.

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	Number of Included Segments	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

User Note 1: This must be the same number as is in the ST segment (ST02) for the transaction set.

Comments:

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