



850 FS Purchase Order

Foodservice EDI

Version: 4010-2012 FS Final

Author:	GS1 Canada - Foodservice Technical Standards Work Group
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Table of Contents

850	FS Purchase Order Foodservice	1
	ST Transaction Set Header	3
	BEG Beginning Segment for Purchase Order	4
	CUR Currency	6
	REF Reference Identification	7
	PER Administrative Communications Contact	8
	FOB F.O.B. Related Instructions	10
	SAC Loop Service, Promotion, Allowance, or Charge Information	11
	SAC Service, Promotion, Allowance, or Charge Information	12
	ITD Terms of Sale/Deferred Terms of Sale	17
	DTM Date/Time Reference	19
	TD5 Carrier Details (Routing Sequence/Transit Time)	20
	TD3 Carrier Details (Equipment)	22
	N9 Loop Reference Identification	23
	N9 Reference Identification	24
	MSG Message Text	25
	N1 Loop Name	26
	N1 Name	27
	N2 Additional Name Information	29
	N3 Address Information	30
	N4 Geographic Location	31
	REF Reference Identification	32
	PO1 Loop Baseline Item Data	33
	PO1 Baseline Item Data	34
	CTP Loop Pricing Information	36
	CTP Pricing Information	37
	PID Loop Product/Item Description	38
	PID Product/Item Description	39
	PO4 Item Physical Details	41
	SAC Loop Service, Promotion, Allowance, or Charge Information	43
	SAC Service, Promotion, Allowance, or Charge Information	44
	CTT Loop Transaction Totals	49
	CTT Transaction Totals	50
	SE Transaction Set Trailer	51

850 FS Purchase Order Foodservice

Functional Group=PO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

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>
010	ST	Transaction Set Header	M	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>1			Used
060	PER	Administrative Communications Contact	O	3			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
LOOP ID - SAC					25		
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
150	DTM	Date/Time Reference	O	10			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
250	TD3	Carrier Details (Equipment)	O	12			Used
LOOP ID - N9					1000		
295	N9	Reference Identification	O	1			Used
300	MSG	Message Text	O	1000			Used
LOOP ID - N1					200		
310	N1	Name	O	1			Used
320	N2	Additional Name Information	O	2			Used
330	N3	Address Information	O	2			Used
340	N4	Geographic Location	O	>1			Used
350	REF	Reference Identification	O	12			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>
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
LOOP ID - CTP					≥1		
040	CTP	Pricing Information	O	1			Used
LOOP ID - PID					1000		

<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>
050	PID	Product/Item Description	O	1			Used
090	PO4	Item Physical Details	O	>1			Used
LOOP ID - SAC					25		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - CTT					1	N3/010L	
010	CTT	Transaction Totals	O	1		N3/010	Used
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 2/010L PO102 is required.
- 2/010 PO102 is required.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

ST Transaction Set Header

Pos: 010	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: 298, Included: 1)

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

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

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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BEG Beginning Segment for Purchase Order

Pos: 020	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:

<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: 65, 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: 69, Included: 4)

<u>Code</u>	<u>Name</u>
BE	Blanket Order/Estimated Quantities (Not firm Commitment)
BK	Blanket Order (Quantity Firm)
RL	Release or Delivery Order

Description: *An order for goods and services placed against a pre-existing contract or blanket order*

SA Stand-alone Order

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: *Purchasing Organization'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: *Purchasing Organization's release against the purchase order, if used*

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

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

Description: Date expressed as
CCYYMMDD

User Note 1: *Purchasing Organization's
original purchase order date*

Semantics:

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

User Note 1:

If BEG02 contains code RL, then BEG04 is required. BEG03 contains the blanket purchase order number which is being released against and BEG04 contains the release number.

CUR Currency

Pos: 040	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 List Summary (Total Codes: 1312, 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: *CAD Canadian*

USD United States

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 Identification

Pos: 050	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 List Summary (Total Codes: 1503, Included: 5)

Code Name

CT Contract Number

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 Selling Organization, by the Purchasing Organization for use within the Purchasing Organization's system

IT Internal Customer Number

User Note 1:

Identification number assigned to the Purchasing Organization, by the Selling Organization, for use within the Selling Organization's system

PD Promotion/Deal Number

REF02	127	Reference Identification	C	AN	1/30	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: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 6

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						
		<p>Description: Code identifying the major duty or responsibility of the person or group named</p> <p>Code List Summary (Total Codes: 230, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BD</td> <td>Buyer Name or Department</td> </tr> <tr> <td>IC</td> <td>Information Contact</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	BD	Buyer Name or Department	IC	Information Contact
<u>Code</u>	<u>Name</u>											
BD	Buyer Name or Department											
IC	Information Contact											
PER02	93	Name	O	AN	1/60	Used						
		<p>Description: Free-form name</p>										
PER03	365	Communication Number Qualifier	C	ID	2/2	Used						
		<p>Description: Code identifying the type of communication number</p> <p>Code List Summary (Total Codes: 40, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	EM	Electronic Mail	TE	Telephone
<u>Code</u>	<u>Name</u>											
EM	Electronic Mail											
TE	Telephone											
PER04	364	Communication Number	C	AN	1/80	Used						
		<p>Description: Complete communications number including country or area code when applicable</p>										
PER05	365	Communication Number Qualifier	C	ID	2/2	Used						
		<p>Description: Code identifying the type of communication number</p> <p>Code List Summary (Total Codes: 40, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	EM	Electronic Mail	TE	Telephone
<u>Code</u>	<u>Name</u>											
EM	Electronic Mail											
TE	Telephone											
PER06	364	Communication Number	C	AN	1/80	Used						
		<p>Description: Complete communications number including country or area code when applicable</p>										

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

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

FOB F.O.B. Related Instructions

Pos: 080	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								
<p>Description: Code identifying payment terms for transportation charges</p> <p>Code List Summary (Total Codes: 28, Included: 3)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PB</td> <td>Customer Pick-up/Backhaul</td> </tr> <tr> <td>PP</td> <td>Prepaid (by Seller)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	CC	Collect	PB	Customer Pick-up/Backhaul	PP	Prepaid (by Seller)
<u>Code</u>	<u>Name</u>													
CC	Collect													
PB	Customer Pick-up/Backhaul													
PP	Prepaid (by Seller)													
FOB02	309	Location Qualifier	C	ID	1/2	Used								
<p>Description: Code identifying type of location</p> <p>Code List Summary (Total Codes: 172, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DE</td> <td>Destination (Shipping)</td> </tr> <tr> <td>OR</td> <td>Origin (Shipping Point)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	DE	Destination (Shipping)	OR	Origin (Shipping Point)		
<u>Code</u>	<u>Name</u>													
DE	Destination (Shipping)													
OR	Origin (Shipping Point)													
FOB03	352	Description	O	AN	1/80	Used								
<p>Description: A free-form description to clarify the related data elements and their content</p>														

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: 120	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>
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 120	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

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	C	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

User Note 1: *See Foodservice Implementation Guidelines Appendix - Data Elements*

Code List Summary (Total Codes: 1053, Included: 5)

Code Name

D350 Goods and Services Credit Allowance
D360 Goods and Services Tax Charge

User Note 1:

Provincial Tobacco Tax.

H490 Subject To Tax On Resale
H770 Tax - State Tax
H806 Tax Credit

User Note 1:

Provincial Tax Credit.

SAC03	559	Agency Qualifier Code	C	ID	2/2	Used
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Description: Code identifying the agency assigning the code values

Code List Summary (Total Codes: 176, Included: 1)

Code Name

		<u>Code</u>	<u>Name</u>				
		VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI				
SAC04	1301		Agency Service, Promotion, Allowance, or Charge Code	C	AN	1/10	Used
			Description: Agency maintained code identifying the service, promotion, allowance, or charge				
			User Note 1: <i>See Foodservice Implementation Guidelines Appendix - Data Elements</i>				
SAC05	610		Amount	O	N2	1/15	Used
			Description: Monetary amount				
			User Note 1: <i>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.</i>				
SAC06	378		Allowance/Charge Percent Qualifier	C	ID	1/1	Used
			Description: Code indicating on what basis allowance or charge percent is calculated				
			Code List Summary (Total Codes: 11, Included: 7)				
			Code				
			Name				
		1	Item List Cost				
		2	Item Net Cost				
		3	Discount/Gross				
			User Note 1:				
			<i>All allowances are off the gross price including cash discount.</i>				
		4	Discount/Net				
			User Note 1:				
			<i>All allowances are off the gross price. Cash discounts are off the net.</i>				
		5	Base Price per Unit				
			User Note 1:				
			<i>Line item discount</i>				
		6	Base Price Amount				
		7	Base Price Amount Less Previous Discount				
			User Note 1:				
			<i>Declining balance method</i>				
SAC07	332		Percent	C	R	1/6	Used
			Description: Percent expressed as a percent				
			User Note 1: <i>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''.</i>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	Unit or Basis for Measurement Code	C	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: 794, Included: 12)				
		<u>Code</u>	<u>Name</u>			
		BG	Bag			
		BR	Barrel			
		CA	Case			
		DR	Drum			
		EA	Each			
		GA	Gallon			
		KG	Kilogram			
		LB	Pound			
		LT	Liter			
		PA	Pail			
		PL	Pallet/Unit Load			
		TE	Tote			
SAC10	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge				
		Code List Summary (Total Codes: 22, Included: 6)				
		<u>Code</u>	<u>Name</u>			
		01	Bill Back			
		User Note 1:				
		<i>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.</i>				
		02	Off Invoice			
		User Note 1:				
		<i>The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.</i>				
		03	Vendor Check to Customer			
		User Note 1:				
		<i>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.</i>				
		04	Credit Customer Account			

Code Name

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 exact method of adjudication has been agreed to by the trading partners. 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	C	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		User Note 1: <i>This is used to provide the Tax Registration Number</i>				
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	C	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)				

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. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. 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 to further the code in 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: 130	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	Terms Type Code	O	ID	2/2	Used

Description: Code identifying type of payment terms

Code List Summary (Total Codes: 65, Included: 4)

<u>Code</u>	<u>Name</u>
05	Discount Not Applicable
08	Basic Discount Offered
09	Proximo
14	Previously agreed upon

ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code identifying the beginning of the terms period

Code List Summary (Total Codes: 17, Included: 6)

<u>Code</u>	<u>Name</u>
1	Ship Date
2	Delivery Date
3	Invoice Date
4	Specified Date
7	Effective 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	C	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
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<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: Number of days until total invoice amount is due (discount not applicable)</p> <p>User Note 1: <i>The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.</i></p>				
ITD08	362	<p>Terms Discount Amount</p> <p>Description: Total amount of terms discount</p>	O	N2	1/10	Used

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

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 List Summary (Total Codes: 1112, Included: 2)

Code Name

002 Delivery Requested
118 Requested Pick-up

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

Description: Date expressed as CCYYMMDD

DTM03	337	Time	C	TM	4/8	Used
-------	-----	-------------	---	----	-----	------

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: 240	Max: 12
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

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	C	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: 215, Included: 3)

Code Name

- 2 Standard Carrier Alpha Code (SCAC)
- 91 Assigned by Seller or Seller's Agent
- 92 Assigned by Buyer or Buyer's Agent

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

TD504	91	Transportation Method/Type Code	C	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: 71, Included: 2)

Code Name

H Customer Pickup
M Motor (Common Carrier)

TD505 387 **Routing** C AN 1/35 Used

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

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.

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.

TD3 Carrier Details (Equipment)

Pos: 250	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	C	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

Code List Summary (Total Codes: 134, 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 Reference Identification

Pos: 295	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>
295	N9	Reference Identification	O	1		Used
300	MSG	Message Text	O	1000		Used

N9 Reference Identification

Pos: 295	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
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1503, Included: 1)</p> <p>Code Name</p> <p>AH Agreement Number</p>						
N902	127	Reference Identification	C	AN	1/30	Must use
<p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p>						

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.

MSG Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text 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>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

User Note 1:

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

Loop Name

Pos: 310	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>
310	N1	Name	O	1		Used
320	N2	Additional Name Information	O	2		Used
330	N3	Address Information	O	2		Used
340	N4	Geographic Location	O	>1		Used
350	REF	Reference Identification	O	12		Used

N1 Name

Pos: 310	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 List Summary (Total Codes: 1312, Included: 8)

Code Name

- BO Broker or Sales Office
- BS Bill and Ship To
- BT Bill-to-Party
- BY Buying Party (Purchaser)
- SF Ship From
- ST Ship To
- SU Supplier/Manufacturer

User Note 1:

Supplier may or may not be the manufacturer

- VN Vendor

User Note 1:

Party supplying the products being maintained

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

N103	66	Identification Code Qualifier	C	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: 215, Included: 2)

Code Name

- 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix
- UL UCC/EAN Location Code

Description: *Global Location Number (GLN) (Revised name)*

A globally unique 13 digit code used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key SEE CODE SOURCE 583

N104	67	Identification Code	C	AN	2/80	Used
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Description: Code identifying a party or other code

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: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

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 Address Information

Pos: 330	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: 340	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	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
		User Note 1:				
		<i>CA Canada</i>				
		<i>MX Mexico</i>				
		<i>US United States</i>				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

REF Reference Identification

Pos: 350	Max: 12
Heading - Optional	
Loop: N1	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 List Summary (Total Codes: 1503, Included: 1)

Code Name

DK Dock Number

REF02	127	Reference Identification	C	AN	1/30	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.

PO1 Baseline Item Data

Pos: 010 Max: 1
 Detail - Mandatory
 Loop: PO1 Elements: 4

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>
PO102	330	Quantity Ordered	C	R	1/15	Must use

Description: Quantity ordered

PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Must use
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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

Code List Summary (Total Codes: 794, Included: 12)

Code Name

- BG Bag
- BR Barrel
- CA Case
- DR Drum
- EA Each
- GA Gallon
- KG Kilogram
- LB Pound
- LT Liter
- PA Pail
- PL Pallet/Unit Load
- TE Tote

PO106	235	Product/Service ID Qualifier	C	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

- UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

Description: *GTIN-14*

*A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
 SEE CODE SOURCE 41*

PO107	234	Product/Service ID	C	AN	1/48	Used
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Description: Identifying number for a product or service

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.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Pricing Information

Pos: 040	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>
040	CTP	Pricing Information	O	1		Used

CTP Pricing Information

Pos: 040	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	C	ID	3/3	Must use

Description: Code identifying pricing specification

Code List Summary (Total Codes: 164, Included: 1)

Code Name

UCP Unit cost price

User Note 1:

Item list cost

CTP03	212	Unit Price	C	R	1/17	Must use
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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''.*

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: 050	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>
050	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 050	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

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: 1)

Code Name

F Free-form

User Note 1:

The description will be found in PID05.

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
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Description: Code identifying the general class of a product or process characteristic

Code List Summary (Total Codes: 217, Included: 1)

Code Name

08 Product

PID05	352	Description	C	AN	1/80	Used
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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: 090 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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used
		Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container				
PO402	357	Size	C	R	1/8	Used
		Description: Size of supplier units in pack				
PO403	355	Unit or Basis for Measurement Code	C	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: 794, Included: 12)				
		<u>Code</u>	<u>Name</u>			
		BG	Bag			
		BR	Barrel			
		CA	Case			
		DR	Drum			
		EA	Each			
		GA	Gallon			
		KG	Kilogram			
		LB	Pound			
		LT	Liter			
		PA	Pail			
		PL	Pallet/Unit Load			
		TE	Tote			
PO414	810	Inner Pack	O	N0	1/6	Used
		Description: The number of eaches per inner container				

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 pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. 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.

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

Loop Service, Promotion, Allowance, or Charge Information

Pos: 130	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>
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 130	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

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										
<p>Description: Code which indicates an allowance or charge for the service specified</p> <p>Code List Summary (Total Codes: 7, Included: 4)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> <tr> <td>N</td> <td>No Allowance or Charge</td> </tr> <tr> <td>R</td> <td>Allowance Request</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge	N	No Allowance or Charge	R	Allowance Request
<u>Code</u>	<u>Name</u>															
A	Allowance															
C	Charge															
N	No Allowance or Charge															
R	Allowance Request															
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used										
<p>Description: Code identifying the service, promotion, allowance, or charge</p> <p>User Note 1: <i>See Foodservice Implementation Guidelines Appendix - Data Elements</i></p>																
SAC03	559	Agency Qualifier Code	C	ID	2/2	Used										
<p>Description: Code identifying the agency assigning the code values</p> <p>Code List Summary (Total Codes: 176, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VI</td> <td>Voluntary Inter-Industry Commerce Standard (VICS) EDI</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI						
<u>Code</u>	<u>Name</u>															
VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI															
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	C	AN	1/10	Used										
<p>Description: Agency maintained code identifying the service, promotion, allowance, or charge</p> <p>User Note 1: <i>See Foodservice Implementation Guidelines Appendix - Data Elements</i></p>																
SAC05	610	Amount	O	N2	1/15	Used										
<p>Description: Monetary amount</p> <p>User Note 1: <i>When SAC01 contains code A</i></p>																

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																									
		<p><i>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.</i></p>																													
SAC06	378	Allowance/Charge Percent Qualifier	C	ID	1/1	Used																									
		<p>Description: Code indicating on what basis allowance or charge percent is calculated</p> <p>Code List Summary (Total Codes: 11, Included: 7)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Item List Cost</td> </tr> <tr> <td>2</td> <td>Item Net Cost</td> </tr> <tr> <td>3</td> <td>Discount/Gross</td> </tr> <tr> <td colspan="2">User Note 1: <i>All allowances are off the gross price including cash discount.</i></td> </tr> <tr> <td>4</td> <td>Discount/Net</td> </tr> <tr> <td colspan="2">User Note 1: <i>All allowances are off the gross price. Cash discounts are off the net.</i></td> </tr> <tr> <td>5</td> <td>Base Price per Unit</td> </tr> <tr> <td colspan="2">User Note 1: <i>Line item discount</i></td> </tr> <tr> <td>6</td> <td>Base Price Amount</td> </tr> <tr> <td>7</td> <td>Base Price Amount Less Previous Discount</td> </tr> <tr> <td colspan="2">User Note 1: <i>Declining balance method</i></td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	1	Item List Cost	2	Item Net Cost	3	Discount/Gross	User Note 1: <i>All allowances are off the gross price including cash discount.</i>		4	Discount/Net	User Note 1: <i>All allowances are off the gross price. Cash discounts are off the net.</i>		5	Base Price per Unit	User Note 1: <i>Line item discount</i>		6	Base Price Amount	7	Base Price Amount Less Previous Discount	User Note 1: <i>Declining balance method</i>		
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User Note 1: <i>Declining balance method</i>																															
SAC07	332	Percent	C	R	1/6	Used																									
		<p>Description: Percent expressed as a percent</p> <p>User Note 1: <i>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''.</i></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	C	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: 794, Included: 12)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> </tbody> </table>					<u>Code</u>	<u>Name</u>																							
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<u>Code</u>	<u>Name</u>
BG	Bag
BR	Barrel
CA	Case
DR	Drum
EA	Each
GA	Gallon
KG	Kilogram
LB	Pound
LT	Liter
PA	Pail
PL	Pallet/Unit Load
TE	Tote

SAC10	380	Quantity	C	R	1/15	Used
-------	-----	-----------------	---	---	------	------

Description: Numeric value of quantity

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

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

Code List Summary (Total Codes: 22, Included: 6)

Code Name

01 Bill Back

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.

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 exact method of adjudication has been agreed to by the trading partners. 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

Code Name

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	C	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		User Note 1: <i>This is used to provide the Tax Registration Number</i>				
SAC15	352	Description	C	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)				

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. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. 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 to further the code in SAC02.

2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Loop Transaction Totals

Pos: 010	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>
010	CTT	Transaction Totals	O	1		Used

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

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*

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: 030	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
		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: <i>This must be the same number as is in the ST segment (ST02) for the transaction set.</i>				

Comments:

- SE is the last segment of each transaction set.