



# Super Shoes EDI Guideline

ANSI X12 - 004010 850 Purchase Order

**Version: 1.0 Draft**

<b>Author:</b>	<b>SPS Commerce</b>
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**850****Purchase Order****Functional Group=PO**

This Standard 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.

**ORDER MODELS:**

*The PO is used differently based on Order Model:*

*Ship to Warehouse (Replenishment):*

- Header Level N1 (ST) is used to indicate Warehouse Location

*Warehouse Order Example (No SDQ segments)*

```

ISA*00*          *00*          *ZZ*SENDER-ID      *12*RECEIVER-ID
*090601*0910*U*00403*000001295*0*P*}
GS*PO*SENDER-ID*RECEIVER-ID*20090601*0910*1296*X*004010
ST*850*12960001
BEG*00*SA*288830**20090601
CUR*BY*USD
REF*IA*100030
PER*BD*BUYER NAME*TE*999-999-9999
FOB*DF*DE*FREIGHT COLLECT
CSH*N
SAC*A*E750***5000*6*****NEW SPRINGFIELD STORE DISCOUNT
ITD*01*3*2**10**30*****2% 10 DAYS NET 30
DTM*001*20090615
DTM*002*20090601
TD5**2*CHTL
N9*L1**Notes
MTX**PO MUST BE SHIPPED COMPLETE AND ON TIME
N1*ST*YOUR DC*92*00950
N3*DC SHIP TO ADDRESS
N4*SHIP TO CITY*ST*99999*USA
N1*BT*YOUR BILL TO NAME
N3*YOUR BILLING ADDRESS
N4*BILL TO CITY*ST*99999-9999*USA
PO1**18*EA*10.55*WE*SK*177808*VC*435SC*UP*012345123451
CTP**MSR*20.99
PID*F*74***SIZE 10
PID*F*73***WHITE
PO4*18
SAC*A*F800***50*6*****PROMOTION ALLOWANCE
PO1**18*EA*10.55*WE*SK*177809*VC*436SC*UP*012345123461
CTP**MSR*20.99
PID*F*74***SIZE 10
PID*F*73***RED
PO4*18
SAC*A*F800***50*6*****PROMOTION ALLOWANCE
CTT*2
SE*34*12960001

```

GE\*1\*1296  
IEA\*1\*000001295

*Ship Direct to Store (DSD):*

- If one location sent per PO - the Store location would be present in the Header Level N1(ST)
- If multiple locations are sent per PO - the Store locations would be sent in SDQ and Header N1(ST) is NOT used.

*DSD 850 Example with a single ship to store (No SDQ segments).*

ISA\*00\* \*00\* \*ZZ\*SENDER-ID \*12\*RECEIVER-ID  
\*090601\*0910\*U\*00403\*000001295\*0\*P\*}  
GS\*PO\*SENDER-ID\*RECEIVER-ID\*20090601\*0910\*1296\*X\*004010  
ST\*850\*12960001  
BEG\*00\*DR\*288830\*\*20090601  
CUR\*BY\*USD  
REF\*IA\*100030  
PER\*BD\*BUYER NAME\*TE\*999-999-9999  
FOB\*DF\*DE\*FREIGHT COLLECT  
CSH\*N  
SAC\*A\*E750\*\*\*5000\*6\*\*\*\*\*NEW SPRINGFIELD STORE DISCOUNT  
ITD\*01\*3\*2\*\*10\*\*30\*\*\*\*2% 10 DAYS NET 30  
DTM\*001\*20090615  
DTM\*002\*20090601  
TD5\*\*2\*CHTL  
N9\*L1\*\*Notes  
MTX\*\*PO MUST BE SHIPPED COMPLETE AND ON TIME  
N1\*ST\*SHIP TO STORE\*92\*00152  
N3\*STORE SHIP TO ADDRESS  
N4\*STORE SHIP TO CITY\*ST\*99999\*USA  
N1\*BT\*YOUR COMPANY NAME  
N3\*YOUR BILLING ADDRESS  
N4\*CITY\*ST\*99999-9999\*USA  
PO1\*\*18\*EA\*10.55\*WE\*SK\*177808\*VC\*435SC\*UP\*012345123451  
CTP\*\*MSR\*20.99  
PID\*F\*74\*\*\*SIZE 10  
PID\*F\*73\*\*\*WHITE  
PO4\*18  
SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
PO1\*\*18\*EA\*10.55\*WE\*SK\*177809\*VC\*436SC\*UP\*012345123461  
CTP\*\*MSR\*20.99  
PID\*F\*74\*\*\*SIZE 10  
PID\*F\*73\*\*\*RED  
PO4\*18  
SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
CTT\*2  
SE\*31\*12960001  
GE\*1\*1296  
IEA\*1\*000001295

*DSD 850 Example with multiple ship to stores (with SDQ segments).*

ISA\*00\* \*00\* \*ZZ\*SENDER-ID \*12\*RECEIVER-ID  
\*090601\*0910\*U\*00403\*000001295\*0\*P\*}  
GS\*PO\*SENDER-ID\*RECEIVER-ID\*20090601\*0910\*1296\*X\*004010  
ST\*850\*12960001  
BEG\*00\*DR\*288830\*\*20090601  
CUR\*BY\*USD  
REF\*IA\*100030  
PER\*BD\*BUYER NAME\*TE\*999-999-9999

FOB\*DF\*DE\*FREIGHT COLLECT  
 CSH\*N  
 SAC\*A\*E750\*\*\*5000\*6\*\*\*\*\*NEW SPRINGFIELD STORE DISCOUNT  
 ITD\*01\*3\*2\*\*10\*\*30\*\*\*\*\*2% 10 DAYS NET 30  
 DTM\*001\*20090615  
 DTM\*002\*20090601  
 TD5\*\*2\*CHTL  
 N9\*L1\*\*Notes  
 MTX\*\*PO MUST BE SHIPPED COMPLETE AND ON TIME  
 N1\*BT\*YOUR COMPANY NAME  
 N3\*YOUR BILLING ADDRESS  
 N4\*CITY\*ST\*99999-9999\*USA  
 PO1\*\*18\*EA\*10.55\*WE\*SK\*177808\*VC\*435SC\*UP\*012345123451  
 CTP\*\*MSR\*20.99  
 PID\*F\*74\*\*\*SIZE 10  
 PID\*F\*73\*\*\*WHITE  
 PO4\*18  
 SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
 SDQ\*EA\*\*00152\*6\*00170\*3\*00174\*3\*00198\*3\*00203\*3  
 PO1\*\*18\*EA\*10.55\*WE\*SK\*177809\*VC\*436SC\*UP\*012345123461  
 CTP\*\*MSR\*20.99  
 PID\*F\*74\*\*\*SIZE 10  
 PID\*F\*73\*\*\*RED  
 PO4\*18  
 SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
 SDQ\*EA\*\*00152\*6\*00170\*3\*00174\*3\*00198\*3\*00203\*3  
 CTT\*2  
 SE\*33\*12960001  
 GE\*1\*1296  
 IEA\*1\*000001295

Drop Ship (Direct to Consumer):

- Ship To (ST) N1, N3 and N4 segments are required.

ISA\*00\* \*00\* \*ZZ\*SENDER-ID \*12\*RECEIVER-ID  
 \*090601\*0910\*U\*00403\*000001295\*0\*P\*}  
 GS\*PO\*SENDER-ID\*RECEIVER-ID\*20090601\*0910\*1296\*X\*004010  
 ST\*850\*12960001  
 BEG\*00\*DS\*288830\*\*20090601  
 CUR\*BY\*USD  
 REF\*IA\*100030  
 PER\*BD\*BUYER NAME\*TE\*999-999-9999  
 FOB\*DF\*DE\*FREIGHT COLLECT  
 CSH\*N  
 SAC\*A\*E750\*\*\*5000\*6\*\*\*\*\*NEW SPRINGFIELD STORE DISCOUNT  
 ITD\*01\*3\*2\*\*10\*\*30\*\*\*\*\*2% 10 DAYS NET 30  
 DTM\*001\*20090615  
 DTM\*002\*20090601  
 TD5\*\*2\*CHTL  
 N9\*L1\*\*Notes  
 MTX\*\*PO MUST BE SHIPPED COMPLETE AND ON TIME  
 N1\*ST\*CONSUMER NAME  
 N3\*CONSUMER SHIP TO ADDRESS  
 N4\*CONSUMER SHIP TO CITY\*ST\*99999\*USA  
 N1\*BT\*CONSUMER BILL TO NAME  
 N3\*CONSUMER BILLING ADDRESS  
 N4\*CONSUMER BILLING CITY\*ST\*99999-9999\*USA  
 PO1\*\*18\*EA\*10.55\*WE\*SK\*177808\*VC\*435SC\*UP\*012345123451  
 CTP\*\*MSR\*20.99  
 PID\*F\*74\*\*\*SIZE 10  
 PID\*F\*73\*\*\*WHITE

PO4\*18  
 SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
 PO1\*\*18\*EA\*10.55\*WE\*SK\*177809\*VC\*436SC\*UP\*012345123461  
 CTP\*\*MSR\*20.99  
 PID\*F\*74\*\*\*SIZE 10  
 PID\*F\*73\*\*\*RED  
 PO4\*18  
 SAC\*A\*F800\*\*\*50\*6\*\*\*\*\*PROMOTION ALLOWANCE  
 CTT\*2  
 SE\*31\*12960001  
 GE\*1\*1296  
 IEA\*1\*000001295

**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			Used
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	4			Must use
060	PER	Administrative Communications Contact	O	1			Used
080	FOB	F.O.B. Related Instructions	O	1			Used
110	CSH	Sales Requirements	O	1			Used
<b>LOOP ID - SAC</b>					<b>10</b>		
120	SAC	Service, Promotion, Allowance, or Charge Information	M	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
150	DTM	Date/Time Reference	O	3			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1			Used
<b>LOOP ID - N9</b>					<b>1</b>		
295	N9	Reference Identification	M	1			Used
300	MSG	Message Text	O	4			Used
<b>LOOP ID - N1</b>					<b>2</b>		
310	N1	Name	M	1			Used
330	N3	Address Information	O	1			Used
340	N4	Geographic Location	O	1			Used
360	PER	Administrative Communications Contact	O	1			Used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/010L</b>	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
<b>LOOP ID - CTP</b>					<b>2</b>		
040	CTP	Pricing Information	M	1			Used
<b>LOOP ID - PID</b>					<b>3</b>		
050	PID	Product/Item Description	M	1			Used
090	PO4	Item Physical Details	O	1			Used
<b>LOOP ID - SAC</b>					<b>10</b>		
130	SAC	Service, Promotion, Allowance, or Charge	M	1			Used

Information						
190	<a href="#">SDQ</a>	Destination Quantity	O	500		Used
289	<a href="#">MSG</a>	Message Text	O	>1		Used
<a href="#">LOOP ID - SLN</a>					<b>1000</b>	
470	<a href="#">SLN</a>	Subline Item Detail	M	1		Used
490	<a href="#">PID</a>	Product/Item Description	O	3		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>
<a href="#">LOOP ID - CTT</a>					<b>1</b>	<b>N3/010L</b>	
010	<a href="#">CTT</a>	Transaction Totals	M	1		N3/010	Must use
020	<a href="#">AMT</a>	Monetary Amount	O	1		N3/020	Used
030	<a href="#">SE</a>	Transaction Set Trailer	M	1			Used

**Notes:**

- 2/010L PO102 is required.
- 2/010 PO102 is required.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/020 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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	Used

**Description:** Code uniquely identifying a Transaction Set

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

ST02	329	Transaction Set Control Number	M	AN	4/9	Used
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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

## 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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set				
		<u>Code</u>		<u>Name</u>		
		00		Original		
BEG02	92	<b>Purchase Order Type Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the type of Purchase Order				
		<u>Code</u>		<u>Name</u>		
		DR		Direct Ship to Store		
		DS		Dropship to Consumer		
		SA		Stand-alone Order - Warehouse Shipment		
BEG03	324	<b>Purchase Order Number</b>	M	N0	1/10	Must use
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
BEG04	328	<b>Release Number</b>	O	AN	1/30	Used
		<b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
BEG05	373	<b>Purchase Order Date</b>	M	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Semantics:

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

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b>	M	ID	2/3	Used

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

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)

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

**User Note 1:** "AUS" - Australian Dollar  
 "CAD" - Canadian Dollar  
 "MEX" - Mexican Peso  
 "USD" - US Dollar  
 "YEN" - Japanese Yen

## Syntax Rules:

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

## Comments:

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

# REF Reference Identification

Pos: 050	Max: 4
Heading - Optional	
Loop: N/A	Elements: 2

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

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

<u>Code</u>	<u>Name</u>
11	Account Number
CO	Customer Order Number
DP	Department Number
IA	Internal Vendor Number

REF02	127	Reference Identification	M	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

**User Note 1:** *Internal Vendor Number (REF01 = IA) is mandatory.*

*Internal Vendor Number, Customer Account Number, Department Number and Customer Order Number are numeric, max length of 10.*

## 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: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Used
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		BD		Buyer Name or Department		
		IC		Information Contact		
		OC		Order Contact		
PER02	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> 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: 080	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

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	<b>Shipment Method of Payment</b>	M	ID	2/2	Used
<b>Description:</b> Code identifying payment terms for transportation charges						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		CC	Collect			
		CF	Collect, Freight Credited Back to Customer			
		DF	Defined by Buyer and Seller			
		HP	Half Prepaid			
		MX	Mixed			
		NC	Service Freight, No Charge			
		PC	Prepaid but Charged to Customer			
		PP	Prepaid (by Seller)			
		PU	Pickup			
		TP	Third Party Pay			
FOB02	309	<b>Location Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code identifying type of location						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		AC	City and State			
		DE	Destination (Shipping)			
		OR	Origin (Shipping Point)			
FOB03	352	<b>Description</b>	X	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## 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.

# CSH Sales Requirements

Pos: 110	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

To specify general conditions or requirements of the 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>
CSH01	563	Sales Requirement Code	O	ID	1/2	Used

**Description:** Code to identify a specific requirement or agreement of sale

<u>Code</u>	<u>Name</u>
N	No Back Order
Y	Back Order if Out of Stock
BK	Ship Partial - Balance Back Order
P2	Ship As Soon As Possible
P4	Do Not Preship
SC	Ship Complete
SP	Ship Partial, Balance Cancel

## Syntax Rules:

1. C0203 - If CSH02 is present, then CSH03 is required.
2. P0607 - If either CSH06 or CSH07 is present, then the other is required.
3. P0910 - If either CSH09 or CSH10 is present, then the other is required.

## Semantics:

1. CSH03 is the maximum monetary amount value which the order must not exceed.
2. CSH04 is the account number to which the purchase amount is charged.
3. CSH05 is the date specified by the sender to be shown on the invoice.
4. CSH06 identifies the source of the code value in CSH07.

# Loop SAC

Pos: 120	Repeat: 10
Optional	
Loop: SAC	Elements: N/A

**User Option (Usage):** Used

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	M	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 120	Max: 1
Heading - Mandatory	
Loop: SAC	Elements: 6

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Used
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
		<u>Code</u>	<u>Name</u>			
		A	Allowance			
		C	Charge			
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
		<u>Code</u>	<u>Name</u>			
		B950	Damaged Merchandise			
		C000	Defective Allowance			
		C310	Discount			
		D240	Freight			
		D920	Insurance Fee			
		D980	Insurance			
		E750	New Store Discount			
		F800	Promotional Allowance			
		G970	Small Order Charge			
		H630	Tax - City Sales Tax (Only)			
		H660	Tax - Federal Excise Tax, FET			
		H700	Tax - Local Tax			
		H770	Tax - State Tax			
		H850	Tax			
		ZZZZ	Mutually Defined			
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
<b>Description:</b> Monetary amount						
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated						
		<u>Code</u>	<u>Name</u>			
		5	Base Price per Unit			
		6	Base Price Amount			



SAC07	332	<b>Percent</b>	X	R	1/6	Used
		<b>Description:</b> Percent expressed as a percent				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

### Syntax Rules:

1. C1110 - If SAC11 is present, then SAC10 is required.
2. C1413 - If SAC14 is present, then SAC13 is required.
3. C1615 - If SAC16 is present, then SAC15 is required.
4. P0304 - If either SAC03 or SAC04 is present, then the other is required.
5. P0607 - If either SAC06 or SAC07 is present, then the other is required.
6. P0910 - If either SAC09 or SAC10 is present, then the other is required.
7. R0203 - At least one of SAC02 or SAC03 is required.
8. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 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: 9

User Option (Usage): Used

To specify terms of sale

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	<b>Terms Type Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying type of payment terms				
		<u>Code</u>		<u>Name</u>		
		01		Basic		
		02		End of Month (EOM)		
		05		Discount Not Applicable		
		08		Basic Discount Offered		
		12		10 Days After End of Month (10 EOM)		
		14		Previously agreed upon		
		41		Letter of Credit		
		ZZ		Mutually Defined		
ITD02	333	<b>Terms Basis Date Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code identifying the beginning of the terms period				
		<u>Code</u>		<u>Name</u>		
		1		Ship Date		
		2		Delivery Date		
		3		Invoice Date		
		6		Anticipated Delivery Date		
		15		Receipt of Goods		
ITD03	338	<b>Terms Discount Percent</b>	X	R	1/6	Used
		<b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date				
ITD04	370	<b>Terms Discount Due Date</b>	X	DT	8/8	Used
		<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD				
ITD05	351	<b>Terms Discount Days Due</b>	X	N0	1/3	Used
		<b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned				
ITD06	446	<b>Terms Net Due Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD				
ITD07	386	<b>Terms Net Days</b>	O	N0	1/3	Used
		<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)				
ITD08	362	<b>Terms Discount Amount</b>	X	N2	1/10	Used

**Description:** Total amount of terms discount

ITD12 352 **Description** O AN 1/80 Used

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

### Syntax Rules:

1. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.
2. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 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: 3
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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	<b>Date/Time Qualifier</b>	M	ID	3/3	Used
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>		<u>Name</u>		
		001		Cancel After		
		002		Delivery Requested		
		037		Ship Not Before		
DTM02	373	<b>Date</b>	X	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						

## Syntax Rules:

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

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

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>
TD502	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		2		Standard Carrier Alpha Code (SCAC)		
TD503	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
TD505	387	<b>Routing</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity				

## Syntax Rules:

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

## Semantics:

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

## Comments:

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

# Loop N9

Pos: 295	Repeat: 1
Optional	
Loop: N9	Elements: N/A

**User Option (Usage):** Used

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	M	1		Used
300	MSG	Message Text	O	4		Used

# N9 Reference Identification

Pos: 295	Max: 1
Heading - Mandatory	
Loop: N9	Elements: 2

**User Option (Usage):** Used

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	<b>Reference Identification Qualifier</b>	M	ID	2/3	Used
<b>Description:</b> Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		L1		Letters or Notes		
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
<b>Description:</b> Free-form descriptive text						

## Syntax Rules:

1. C0605 - If N906 is present, then N905 is required.
2. R0203 - At least one of N902 or N903 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: 4
Heading - Optional	
Loop: N9	Elements: 1

**User Option (Usage):** Used

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	Used

**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.



# Loop N1

Pos: 310	Repeat: 2
Optional	
Loop: N1	Elements: N/A

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

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	M	1		Used
330	N3	Address Information	O	1		Used
340	N4	Geographic Location	O	1		Used
360	PER	Administrative Communications Contact	O	1		Used

**N1****Name**

<b>Pos: 310</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

**User Note 1:***NOTE:*

*Ship To N1 loop will be used on PO's where the Ship To is a DC, for Drop Ship (Direct to Consumer) and for DSD (Direct Store Delivery) PO's where there is only one Ship To on the PO.*

*Ship To information will not be sent if the PO is Direct Store Delivery (DSD) with multiple Ship To Store locations, but rather the individual Ship To Locations will be noted in the item level SDQ segments.*

**User Note 2:***Business Rule for N1 loop**N1 is a repeatable group with a maximum occurrence of 6.**N3 and N4 are repeatable groups corresponding to the N1***Element Summary:**

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

**Syntax Rules:**

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

**Comments:**

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

# N3 Address Information

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Used

To specify the location of the named party

## User Note 1:

*N3 will always be sent for the Ship to on Drop Ship PO, and is optional for Bulk and Direct to Store PO's.*

## 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	Used

**Description:** Address information

# N4 Geographic Location

Pos: 340	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

To specify the geographic place of the named party

## User Note 1:

*N4 will always be sent for the Ship to on Drop Ship PO, and is optional for Bulk and Direct to Store PO's.*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	M	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## 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.

# PER Administrative Communications Contact

Pos: 360	Max: 1
Heading - Optional	
Loop: N1	Elements: 8

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		IC		Information Contact		
PER02	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER05	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		FX		Facsimile		
PER06	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				
PER07	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
PER08	364	<b>Communication Number</b>	X	AN	1/80	Used
		<b>Description:</b> 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.

# Loop PO1

Pos: 010	Repeat: 100000
Mandatory	
Loop: PO1	Elements: N/A

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

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>
010	PO1	Baseline Item Data	M	1		Must use
040		Loop CTP	O		2	Used
050		Loop PID	O		3	Used
090	PO4	Item Physical Details	O	1		Used
130		Loop SAC	O		10	Used
190	SDQ	Destination Quantity	O	500		Used
289	MSG	Message Text	O	>1		Used
470		Loop SLN	O		1000	Used



# PO1 Baseline Item Data

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: PO1</b>	<b>Elements: 15</b>

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

To specify basic and most frequently used line item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	<b>Assigned Identification</b>	O	AN	1/20	Used
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
<b>User Note 2:</b> <i>Line Sequence #</i>						
PO102	330	<b>Quantity Ordered</b>	X	R	1/48	Must use
<b>Description:</b> Quantity ordered						
PO103	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		AS	Assortment			
		CA	Case			
		DZ	Dozen			
		EA	Each			
		PR	Pair			
		UN	Unit			
PO104	212	<b>Unit Price</b>	X	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
PO105	639	<b>Basis of Unit Price Code</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type of unit price for an item						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		LE	Catalog Price per Each			
		PR	Promotion			
		UM	Price per Unit of Measure			
		WE	Wholesale Price per Each			
PO106	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		SK	Stock Keeping Unit (SKU)			
PO107	234	<b>Product/Service ID</b>	X	AN	1/48	Must use
<b>Description:</b> Identifying number for a product or service						
PO108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in						

Product/Service ID (234)

<u>Code</u>	<u>Name</u>
VC	Vendor's (Seller's) Catalog Number

PO109	234	<b>Product/Service ID</b>	X	AN	1/48	Used
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**Description:** Identifying number for a product or service

PO110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Code</u>	<u>Name</u>
EN	European Article Number (EAN) (2-5-5-1)
UP	U.P.C. Consumer Package Code (1-5-5-1)

PO111	234	<b>Product/Service ID</b>	X	AN	11/13	Used
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**Description:** Identifying number for a product or service

PO112	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

PO113	234	<b>Product/Service ID</b>	X	AN	14/14	Used
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**Description:** Identifying number for a product or service

PO114	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Code</u>	<u>Name</u>
UI	U.P.C. Consumer Package Code (1-5-5)
UN	U.P.C. Case Code Number (1-1-5-5)

PO115	234	<b>Product/Service ID</b>	X	AN	12/12	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 CTP

Pos: 040	Repeat: 2
Optional	
Loop: CTP	Elements: N/A

**User Option (Usage):** Used

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	M	1		Used

# CTP Pricing Information

Pos: 040	Max: 1
Detail - Mandatory	
Loop: CTP	Elements: 2

**User Option (Usage):** Used

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	<b>Price Identifier Code</b>	X	ID	3/3	Used

**Description:** Code identifying pricing specification

<u>Code</u>	<u>Name</u>
MSR	Manufacturer's Suggested Retail
RTL	Retail

CTP03	212	<b>Unit Price</b>	X	R	1/17	Used
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**Description:** Price per unit of product, service, commodity, etc.

## Syntax Rules:

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

Pos: 050	Repeat: 3
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Used

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	M	1		Used

# PID Product/Item Description

Pos: 050	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

**User Option (Usage):** Used

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

## User Note 2:

*Business Rule for PID loop*

*PID is a repeatable group with a maximum occurrence of 3 allowing for the three possible Product Characteristic Codes.*

## 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	<b>Item Description Type</b>	M	ID	1/1	Used
		<b>Description:</b> Code indicating the format of a description				
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the general class of a product or process characteristic				
		<u>Code</u>		<u>Name</u>		
		08		Product		
		73		Vendor color description		
		74		Vendor size description		
PID05	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> 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. C0703 - If PID07 is present, then PID03 is required.
3. C0804 - If PID08 is present, then PID04 is required.
4. C0905 - If PID09 is present, then PID05 is required.
5. R0405 - At least one of PID04 or 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: 1

**User Option (Usage):** Used

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

## Syntax Rules:

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

# Loop SAC

Pos: 130	Repeat: 10
Optional	
Loop: SAC	Elements: N/A

**User Option (Usage):** Used

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	M	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Mandatory	
Loop: SAC	Elements: 6

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Used
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
		<u>Code</u>	<u>Name</u>			
		A	Allowance			
		C	Charge			
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
		<u>Code</u>	<u>Name</u>			
		B950	Damaged Merchandise			
		C000	Defective Allowance			
		C310	Discount			
		D240	Freight			
		D920	Insurance Fee			
		D980	Insurance			
		E750	New Store Discount			
		F800	Promotional Allowance			
		G970	Small Order Charge			
		H630	Tax - City Sales Tax (Only)			
		H660	Tax - Federal Excise Tax, FET			
		H700	Tax - Local Tax			
		H770	Tax - State Tax			
		H850	Tax			
		ZZZZ	Mutually Defined			
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
<b>Description:</b> Monetary amount						
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated						
		<u>Code</u>	<u>Name</u>			
		5	Base Price per Unit			
		6	Base Price Amount			

SAC07	332	<b>Percent</b>	X	R	1/6	Used
		<b>Description:</b> Percent expressed as a percent				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

### Syntax Rules:

1. C1110 - If SAC11 is present, then SAC10 is required.
2. C1413 - If SAC14 is present, then SAC13 is required.
3. C1615 - If SAC16 is present, then SAC15 is required.
4. P0304 - If either SAC03 or SAC04 is present, then the other is required.
5. P0607 - If either SAC06 or SAC07 is present, then the other is required.
6. P0910 - If either SAC09 or SAC10 is present, then the other is required.
7. R0203 - At least one of SAC02 or SAC03 is required.
8. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 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.

# SDQ Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 21

**User Option (Usage):** Used

To specify destination and quantity detail

## User Note 1:

*The SDQ segment is used when:*

1. *The order is shipped directly to multiple Store locations (Direct to Store Delivery - DSD).*

## 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	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		AS		Assortment		
		CA		Case		
		DZ		Dozen		
		EA		Each		
		PR		Pair		
		UN		Unit		
SDQ03	67	<b>Identification Code</b>	M	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1:</b> <i>Store Number</i>				
SDQ04	380	<b>Quantity</b>	M	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ05	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1:</b> <i>Store Number</i>				
SDQ06	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ07	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1:</b> <i>Store Number</i>				
SDQ08	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ09	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				

		<b>User Note 1: Store Number</b>				
SDQ10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ11	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ12	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ13	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ14	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ15	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ16	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ17	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ18	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ19	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ20	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ21	67	<b>Identification Code</b>	X	AN	2/20	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1: Store Number</b>				
SDQ22	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> 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.

# MSG Message Text

Pos: 289	Max: >1
Detail - Optional	
Loop: PO1	Elements: 1

**User Option (Usage):** Used

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	Used

**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.



# Loop SLN

Pos: 470	Repeat: 1000
Optional	
Loop: SLN	Elements: N/A

**User Option (Usage):** Used

To specify product subline detail 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>
470	SLN	Subline Item Detail	M	1		Used
490	PID	Product/Item Description	O	3		Used

# SLN Subline Item Detail

Pos: 470	Max: 1
Detail - Mandatory	
Loop: SLN	Elements: 14

**User Option (Usage):** Used

To specify product subline detail item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Must use
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code indicating the relationship between entities				
		<u>Code</u>		<u>Name</u>		
		I		Included		
SLN04	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SLN05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		AS		Assortment		
		CA		Case		
		DZ		Dozen		
		EA		Each		
		PR		Pair		
		UN		Unit		
SLN09	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>		<u>Name</u>		
		SK		Stock Keeping Unit (SKU)		
SLN10	234	<b>Product/Service ID</b>	X	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
SLN11	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>		<u>Name</u>		
		VC		Vendor's (Seller's) Catalog Number		

SLN12	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
SLN13	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		EN		European Article Number (EAN) (2-5-5-1)		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
SLN14	234	<b>Product/Service ID</b>	X	AN	11/14	Used
		<b>Description:</b> Identifying number for a product or service				
SLN15	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)		
SLN16	234	<b>Product/Service ID</b>	X	AN	14/14	Used
		<b>Description:</b> Identifying number for a product or service				
SLN17	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		UI		U.P.C. Consumer Package Code (1-5-5)		
		UN		U.P.C. Case Code Number (1-1-5-5)		
SLN18	234	<b>Product/Service ID</b>	X	AN	12/12	Used
		<b>Description:</b> Identifying number for a product or service				

### Syntax Rules:

1. C0706 - If SLN07 is present, then SLN06 is required.
2. C0806 - If SLN08 is present, then SLN06 is required.
3. P0405 - If either SLN04 or SLN05 is present, then the other is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

### Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

# PID Product/Item Description

Pos: 490	Max: 3
Detail - Optional	
Loop: SLN	Elements: 3

**User Option (Usage):** Used

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	<b>Item Description Type</b>	M	ID	1/1	Used
		<b>Description:</b> Code indicating the format of a description				
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the general class of a product or process characteristic				
		<u>Code</u>		<u>Name</u>		
		08		Product		
		73		Vendor color description		
		74		Vendor size description		
PID05	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> 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. C0703 - If PID07 is present, then PID03 is required.
3. C0804 - If PID08 is present, then PID04 is required.
4. C0905 - If PID09 is present, then PID05 is required.
5. R0405 - At least one of PID04 or 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.

# Loop CTT

Pos: 010	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

**User Option (Usage):** Used

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	M	1		Must use
020	AMT	Monetary Amount	O	1		Used

# CTT Transaction Totals

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

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

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	NO	1/6	Must use

**Description:** Total number of line items 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.

# AMT Monetary Amount

Pos: 020                      Max: 1  
 Summary - Optional  
 Loop: CTT                  Elements: 2

**User Option (Usage):** Used

To indicate the total monetary amount

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/3	Used
		<b>Description:</b> Code to qualify amount				
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Used
		<b>Description:</b> Monetary amount				



# SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Used
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Used
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

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