

A Book Industry System Advisory Committee Implementation Guideline for EDI

850 Purchase Order

VERSION: MAY 1999 FINAL

850 Purchase Order

Functional Group=PO

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.

Notes:

- 2/010 PO102 is required.
- 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.

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			Required
020	BEG	Beginning Segment for Purchase Order	M	1			Required
030	NTE	Note/Special Instruction	F	100			Not Rec'd
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>1			Rec'd
070	TAX	Tax Reference	O	>1			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
110	CSH	Sales Requirements	O	5			Used
LOOP ID - SAC					25		
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
150	DTM	Date/Time Reference	O	10			Used
185	SI	Service Characteristic Identification	O	2			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - N1					200		
310	N1	Name	O	1			Required
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
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>
LOOP ID - PO1					100000		
010	PO1	Baseline Item Data	M	1		N2/010	Required
018	SI	Service Characteristic Identification	O	5			Used
020	CUR	Currency	O	1			Not Rec'd
LOOP ID - CTP					>1		
040	CTP	Pricing Information	O	1			Used

<u>LOOP ID - PID</u>			<u>1000</u>		
050	PID	Product/Item Description	O	1	Not Rec'd
100	REF	Reference Identification	O	>1	Used
<u>LOOP ID - SAC</u>			<u>25</u>		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1	Used
140	IT8	Conditions of Sale	O	1	Used
190	SDQ	Destination Quantity	O	500	Not Rec'd
210	DTM	Date/Time Reference	O	10	Not Rec'd
293	CTB	Restrictions/ Conditions	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>
<u>LOOP ID - CTT</u>			<u>1</u>				
010	CTT	Transaction Totals	O	1		N3/010	Required
030	SE	Transaction Set Trailer	M	1			Required

ST Transaction Set Header

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

To indicate the start of a transaction set and to assign a control number

Semantics:

- 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).

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 Description: Code uniquely identifying a Transaction Set <u>Code Name</u> 850 X12.1 Purchase Order	M	ID	3/3	Required
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required

BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 11

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

Semantics:

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

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 Description: Code identifying purpose of transaction set User: Use of any code value other than '00' requires trading partner agreement.	M	ID	2/2	Required																		
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>06</td> <td>Confirmation</td> </tr> <tr> <td>07</td> <td>Duplicate</td> </tr> <tr> <td>28</td> <td>Query</td> </tr> </tbody> </table> Description: Note that this code could be used for a request for quote.	<u>Code</u>	<u>Name</u>	00	Original	06	Confirmation	07	Duplicate	28	Query												
<u>Code</u>	<u>Name</u>																							
00	Original																							
06	Confirmation																							
07	Duplicate																							
28	Query																							
BEG02	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BY</td> <td>Buying</td> </tr> <tr> <td>NE</td> <td>New Order</td> </tr> <tr> <td>NS</td> <td>New Store Opening</td> </tr> <tr> <td>OS</td> <td>Special Order</td> </tr> <tr> <td>RE</td> <td>Reorder</td> </tr> <tr> <td>RL</td> <td>Release or Delivery Order</td> </tr> <tr> <td>RO</td> <td>Rush Order</td> </tr> <tr> <td>SS</td> <td>Supply or Service Order</td> </tr> </tbody> </table> Description: Most commonly used value in the book industry is 'NE'. Description: An order for goods and services placed against a pre-existing contract or blanket order	<u>Code</u>	<u>Name</u>	BY	Buying	NE	New Order	NS	New Store Opening	OS	Special Order	RE	Reorder	RL	Release or Delivery Order	RO	Rush Order	SS	Supply or Service Order	M	ID	2/2	Required
<u>Code</u>	<u>Name</u>																							
BY	Buying																							
NE	New Order																							
NS	New Store Opening																							
OS	Special Order																							
RE	Reorder																							
RL	Release or Delivery Order																							
RO	Rush Order																							
SS	Supply or Service Order																							
BEG03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser User: Based upon past practices in the book industry, the recommended length for a PO number is up to a maximum of 13 characters.	M	AN	1/22	Required																		
BEG04	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction User: Buyer's release number against original purchase order. For those purchase orders which may be incremental, such as BIN/HOLD, the release number must be unique for each additional release against the original purchase order.	O	AN	1/30	Used																		

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG05	373	Date Description: Date (YYMMDD)	M	DT	6/6	Required
BEG06	367	Contract Number Description: Contract number	O	AN	1/30	Used
BEG07	587	Acknowledgment Type Description: Code specifying the type of acknowledgment <u>Code Name</u> AC Acknowledge - With Detail and Change AE Acknowledge - With Exception Detail Only NA No Acknowledgment Needed	O	ID	2/2	Used
* BEG08	1019	Invoice Type Code Description: Code defining the method by which invoices are to be processed	O	ID	3/3	Not Used
* BEG09	1166	Contract Type Code Description: Code identifying a contract type	O	ID	2/2	Not Used
* BEG10	1232	Purchase Category Description: Code identifying the broad category of products or services being acquired	O	ID	2/2	Not Used
* BEG11	786	Security Level Code Description: Code indicating the level of confidentiality assigned by the sender to the information following	O	ID	2/2	Not Used

NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Floating	
Loop: N/A	Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction

Comments:

- The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

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>
NTE01	363	Note Reference Code Description: Code identifying the functional area or purpose for which the note applies	O	ID	3/3	Used
		<u>Code Name</u>				
		BOL Bill of Lading Note				
		DEL Delivery				
		GEN Entire Transaction Set				
		SPH Special Handling				
		TRA Transportation				
		WHI Warehouse Instruction				
NTE02	352	Description Description: A free-form description to clarify the related data elements and their content	M	AN	1/80	Required

CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 21

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

Syntax:

- C0807 -- If CUR08 is present, then CUR07 is required
- C0907 -- If CUR09 is present, then CUR07 is required
- L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- C1110 -- If CUR11 is present, then CUR10 is required
- C1210 -- If CUR12 is present, then CUR10 is required
- L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- C1413 -- If CUR14 is present, then CUR13 is required
- C1513 -- If CUR15 is present, then CUR13 is required
- L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- C1716 -- If CUR17 is present, then CUR16 is required
- C1816 -- If CUR18 is present, then CUR16 is required
- L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- C2019 -- If CUR20 is present, then CUR19 is required
- C2119 -- If CUR21 is present, then CUR19 is required

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> BY Buying Party (Purchaser) SE Selling Party	M	ID	2/2	Required
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required
* CUR03	280	Exchange Rate Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Not Used
* CUR04	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used
* CUR05	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR06	669	Currency Market/Exchange Code Description: Code identifying the market upon which the currency exchange rate is based	O	ID	3/3	Not Used
* CUR07	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR08	373	Date Description: Date (YYMMDD)	O	DT	6/6	Not Used
* CUR09	337	Time 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)	O	TM	4/8	Not Used
* CUR10	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR11	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR12	337	Time 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)	C	TM	4/8	Not Used
* CUR13	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR14	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR15	337	Time 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)	C	TM	4/8	Not Used
* CUR16	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR17	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR18	337	Time 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)	C	TM	4/8	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR19	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR20	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR21	337	Time 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)	C	TM	4/8	Not Used

REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

To specify identifying information

Syntax:

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

Semantics:

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

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 Description: Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		AE Authorization for Expense (AFE) Number				
		CT Contract Number				
		FU Fund Code				
		Description: Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund				
		IT Internal Customer Number				
		MR Merchandise Type Code				
		Description: The merchandise type code may be used to indicate a new or used, test or reference type condition against the entire order. Code selection may be referenced under the 'GC' definitions in the appendix. Note: Use of the 'GC' in the PO1 segment at detail level overrides any condition set by this reference.				
		PD Promotion/Deal Number				
		PR Price Quote Number				
		SB Sales Region Number				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Rec'd
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

TAX Tax Reference

Pos: 070	Max: >1
Heading - Optional	
Loop: N/A	Elements: 13

To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Syntax:

- R0103 -- At least one of TAX01 or TAX03 is required.
- P0203 -- If either TAX02 or TAX03 are present, then the others are required.
- P0405 -- If either TAX04 or TAX05 are present, then the others are required.
- P0607 -- If either TAX06 or TAX07 are present, then the others are required.
- P0809 -- If either TAX08 or TAX09 are present, then the others are required.
- P1011 -- If either TAX10 or TAX11 are present, then the others are required.

Comments:

1. Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

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>
TAX01	325	Tax Identification Number Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	C	AN	1/20	Used
TAX02	309	Location Qualifier Description: Code identifying type of location <u>Code Name</u> CC Country SP State/Province	C	ID	1/2	Used
TAX03	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Used
* TAX04	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* TAX05	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Not Used
* TAX06	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* TAX07	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Not Used
* TAX08	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* TAX09	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Not Used
* TAX10	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* TAX11	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Not Used
TAX12	441	Tax Exempt Code Description: Code identifying exemption status from sales and use tax <u>Code Name</u> 0 Exempt (For Export) 1 Yes (Tax Exempt) Description: Note: In Canada this code is used to designate a Harmonization Sales Tax Exemption.	O	ID	1/1	Used
* TAX13	1179	Customs Entry Type Group Code Description: Code identifying a group of entry types as filed with U.S. Customs when goods enter the country	O	ID	1/1	Not Used

FOB F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

To specify transportation instructions relating to shipment

Syntax:

- C0302 -- If FOB03 is present, then FOB02 is required
- C0405 -- If FOB04 is present, then FOB05 is required
- C0706 -- If FOB07 is present, then FOB06 is required
- 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.

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 Description: Code identifying payment terms for transportation charges	M	ID	2/2	Required
		<u>Code Name</u>				
		BP Paid by Buyer Description: The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)				
		CC Collect				
		DF Defined by Buyer and Seller				
		PC Prepaid but Charged to Customer				
		PP Prepaid (by Seller)				
		PU Pickup				
		TP Third Party Pay				
FOB02	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Used
		<u>Code Name</u>				
		DE Destination (Shipping)				
		OR Origin (Shipping Point)				
* FOB03	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used
* FOB04	334	Transportation Terms Qualifier Code Description: Code identifying the source of the transportation terms	O	ID	2/2	Not Used
* FOB05	335	Transportation Terms Code Description: Code identifying the trade terms which apply to the shipment transportation responsibility	C	ID	3/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* FOB06	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* FOB07	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used
FOB08	54	Risk of Loss Qualifier Description: Code specifying where responsibility for risk of loss passes <u>Code Name</u> BY Risk of Loss in Transit to Destination is Buyer's SE Risk of Loss in Transit to Destination is Seller's	O	ID	2/2	Used
* FOB09	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used

CSH Sales Requirements

Pos: 110	Max: 5
Heading - Optional	
Loop: N/A	Elements: 10

To specify general conditions or requirements of the sale

Syntax:

- C0203 -- If CSH02 is present, then CSH03 is required
- P0607 -- If either CSH06 or CSH07 are present, then the others are required.
- P0910 -- If either CSH09 or CSH10 are present, then the others are 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.

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 Description: Code to identify a specific requirement or agreement of sale	O	ID	1/2	Used
		<u>Code Name</u>				
		B Back Order Only If New Item				
		C Consignment				
		N No Back Order				
		O Back Order If Items Are Out of Stock or Not Yet Published				
		SW Ship Per Release or Buyer Authorization				
		Description: Ship after authorization is received				
		Y Back Order if Out of Stock				
		BK Ship Partial - Balance Back Order				
		SC Ship Complete				
		SP Ship Partial,Balance Cancel				
		SS Ship Per Schedule				
* CSH02	564	Do-Not-Exceed Action Code Description: Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565)	O	ID	1/1	Not Used
* CSH03	610	Amount Description: Monetary amount	C	N2	1/15	Not Used
* CSH04	508	Account Number Description: Account number assigned	O	AN	1/35	Not Used
* CSH05	373	Date Description: Date (YYMMDD)	O	DT	6/6	Not Used
CSH06	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Used
		<u>Code Name</u>				
		BI Book Industry Systems Advisory Committee				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CSH07	560	Special Services Code Description: Code identifying the special service <u>Code Name</u> CA Cataloging Services HC Handling Service LA Labeling	C	ID	2/10	Used
* CSH08	566	Product/Service Substitution Code Description: Code indicating product or service substitution conditions	O	ID	1/2	Not Used
* CSH09	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Not Used
* CSH10	1004	Percent Qualifier Description: Code to qualify percent	C	ID	1/2	Not Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 120	Max: 1
Heading - Optional	
Loop: SAC	Elements: 15

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

Syntax:

- R0203 -- At least one of SAC02 or SAC03 is required.
- P0304 -- If either SAC03 or SAC04 are present, then the others are required.
- P0607 -- If either SAC06 or SAC07 are present, then the others are required.
- P0910 -- If either SAC09 or SAC10 are present, then the others are required.
- C1110 -- If SAC11 is present, then SAC10 is required
- L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- C1413 -- If SAC14 is present, then SAC13 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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

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 Description: Code which indicates an allowance or charge for the service specified	M	ID	1/1	Required
		<u>Code</u> <u>Name</u>				
		A Allowance				
		C Charge				
		P Promotion				
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Used
		<u>Code</u> <u>Name</u>				
		A990 Cataloging Services				
		B210 Co-op Credit				
		E170 Labeling				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		F800 Promotional Allowance				
* SAC03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Not Used
* SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Description: Agency maintained code identifying the service, promotion, allowance, or charge	C	AN	1/10	Not Used
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used
* SAC06	378	Allowance/ Charge Percent Qualifier Description: Code indicating on what basis allowance or charge percent is calculated	C	ID	1/1	Not Used
* SAC07	332	Percent Description: Percent expressed as a percent	C	R	1/6	Not Used
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used
SAC09	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used
		<u>Code Name</u>				
		UN Unit				
SAC10	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
* SAC11	380	Quantity Description: Numeric value of quantity	O	R	1/15	Not Used
* SAC12	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for an allowance or charge	O	ID	2/2	Not Used
* SAC13	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
* SAC14	770	Option Number Description: A unique number identifying available promotion or allowance options when more than one is offered	O	AN	1/20	Not Used
* SAC15	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 7

To specify pertinent dates and times

Syntax:

R020306 -- At least one of DTM02, DTM03 or DTM06 is required.

P0607 -- If either DTM06 or DTM07 are present, then the others are required.

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 Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required
		<u>Code</u> <u>Name</u>				
		002 Delivery Requested				
		010 Requested Ship				
		014 Deferred Payment				
		037 Ship Not Before				
		038 Ship No Later				
		077 Requested for Delivery (Week of)				
		087 Requested for Shipment (Week of)				
		168 Release				
		175 Cancel if not shipped by				
		181 Stop Work (as of)				
		182 Will Advise (as of)				
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required
* DTM03	337	Time 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)	C	TM	4/8	Not Used
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* DTM07	1251	Date Time Period Description: Expression of a date, a time, or range of dates, times or dates and times	C	AN	1/35	Not Used

SI Service Characteristic Identification

Pos: 185	Max: 2
Heading - Optional	
Loop: N/A	Elements: 21

To specify service characteristic data

Syntax:

P0405 -- If either SI04 or SI05 are present, then the others are required.
P0607 -- If either SI06 or SI07 are present, then the others are required.
P0809 -- If either SI08 or SI09 are present, then the others are required.
P1011 -- If either SI10 or SI11 are present, then the others are required.
P1213 -- If either SI12 or SI13 are present, then the others are required.
P1415 -- If either SI14 or SI15 are present, then the others are required.
P1617 -- If either SI16 or SI17 are present, then the others are required.
P1819 -- If either SI18 or SI19 are present, then the others are required.
P2021 -- If either SI20 or SI21 are present, then the others are required.

Comments:

- SI01 defines the source for each of the service characteristics qualifiers.

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>
SI01	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values <u>Code Name</u> BI Book Industry Systems Advisory Committee	M	ID	2/2	Required
SI02	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics <u>Code Name</u> CR Carton Rounding Description: Rounding should be done according to trading partner agreement. EX Exact	M	AN	2/2	Required
SI03	234	Product/Service ID Description: Identifying number for a product or service <u>Code Name</u> BI Book Industry Systems Advisory Committee	M	AN	1/40	Required
* SI04	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI05	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI06	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of	C	AN	2/2	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		service characteristics				
* SI07	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI08	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI09	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI10	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI11	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI12	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI13	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI14	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI15	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI16	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI17	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI18	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI19	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* SI20	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	C	AN	2/2	Not Used
* SI21	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used

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

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 14

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

Syntax:

- R0204050612 -- At least one of TD502, TD504, TD505, TD506 or TD512 is required.
- C0203 -- If TD502 is present, then TD503 is required
- C0708 -- If TD507 is present, then TD508 is required
- C1011 -- If TD510 is present, then TD511 is required
- C1312 -- If TD513 is present, then TD512 is required
- C1413 -- If TD514 is present, then TD513 is required

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.

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 Description: Code describing the relationship of a carrier to a specific shipment movement <u>Code Name</u> B Origin/Delivery Carrier (Any Mode)	O	ID	1/2	Used
* TD502	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Not Used
* TD503	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Not Used
* TD504	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment	C	ID	1/2	Not Used
TD505	387	Routing Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C	AN	1/35	Used
* TD506	368	Shipment/Order Status Code Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	C	ID	2/2	Not Used
* TD507	309	Location Qualifier Description: Code identifying type of location	O	ID	1/2	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* TD508	310	Location Identifier Description: Code which identifies a specific location	C	AN	1/30	Not Used
* TD509	731	Transit Direction Code Description: The point of origin and point of direction	O	ID	2/2	Not Used
* TD510	732	Transit Time Direction Qualifier Description: Code specifying the value of time used to measure the transit time	O	ID	2/2	Not Used
* TD511	733	Transit Time Description: The numeric amount of transit time	C	R	1/4	Not Used
TD512	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier User: <i>The codes listed are the codes commonly used within the industry. Trading partners may agree on other codes that are available.</i>	C	ID	2/2	Used
		<u>Code Name</u>				
		3D Three Day Service				
		G2 Standard Service				
		ND Next Day Air				
		Description: Delivery during business day hours of next business day				
		NH Next Day Hundred Weight				
		ON Overnight				
		SE Second Day				
		SG Standard Ground				
		SH Second Day Hundred Weight				
		SI Standard Ground Hundred Weight				
* TD513	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier	C	ID	2/2	Not Used
* TD514	284	Service Level Code Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier	O	ID	2/2	Not Used

N1 Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

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

Syntax:

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

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 Description: Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required
		<u>Code Name</u>				
		BS Bill and Ship To				
		BT Bill-to-Party				
		SF Ship From				
		ST Ship To				
		VN Vendor				
N102	93	Name Description: Free-form name	C	AN	1/35	Not Rec'd
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Rec'd
		<u>Code Name</u>				
		1 D-U-N-S Number,Dun & Bradstreet				
		9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix				
		15 Standard Address Number (SAN)				
		Description: Recommended by the book industry.				
		12 Telephone Number (Phone)				
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Rec'd
* N105	706	Entity Relationship Code Description: Code describing entity relationship	O	ID	2/2	Not Used
* N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used

N2

Additional Name Information

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

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 Description: Free-form name	M	AN	1/35	Required
N202	93	Name Description: Free-form name	O	AN	1/35	Used

N3 Address Information

Pos: 330	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/35	Required
N302	166	Address Information Description: Address information	O	AN	1/35	Used

N4 Geographic Location

Pos: 340	Max: >1
Heading - Optional	
Loop: N1	Elements: 6

To specify the geographic place of the named party

Syntax:

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.

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 Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
* N405	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Not Used

REF Reference Identification

Pos: 350	Max: 12
Heading - Optional	
Loop: N1	Elements: 4

To specify identifying information

Syntax:

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

Semantics:

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

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 Description: Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		CO Customer Order Number				
		DP Department Number				
		IA Internal Vendor Number				
		IT Internal Customer Number				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Rec'd
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

PER Administrative Communications Contact

Pos: 360	Max: >1
Heading - Optional	
Loop: N1	Elements: 9

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

Syntax:

- P0304 -- If either PER03 or PER04 are present, then the others are required.
- P0506 -- If either PER05 or PER06 are present, then the others are required.
- P0708 -- If either PER07 or PER08 are present, then the others are required.

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 Description: Code identifying the major duty or responsibility of the person or group named <u>Code Name</u> DC Delivery Contact OC Order Contact SU Supplier Contact	M	ID	2/2	Required
PER02	93	Name Description: Free-form name	O	AN	1/35	Used
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code Name</u> BN Beeper Number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile TE Telephone	C	ID	2/2	Used
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	C	ID	2/2	Used
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used
* PER09	443	Contact Inquiry Reference Description: Additional reference number or description to clarify a contact number	O	AN	1/20	Not Used

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 25

To specify basic and most frequently used line item data

Syntax:

- C0302 -- If PO103 is present, then PO102 is required
- C0504 -- If PO105 is present, then PO104 is required
- P0607 -- If either PO106 or PO107 are present, then the others are required.
- P0809 -- If either PO108 or PO109 are present, then the others are required.
- P1011 -- If either PO110 or PO111 are present, then the others are required.
- P1213 -- If either PO112 or PO113 are present, then the others are required.
- P1415 -- If either PO114 or PO115 are present, then the others are required.
- P1617 -- If either PO116 or PO117 are present, then the others are required.
- P1819 -- If either PO118 or PO119 are present, then the others are required.
- P2021 -- If either PO120 or PO121 are present, then the others are required.
- P2223 -- If either PO122 or PO123 are present, then the others are required.
- P2425 -- If either PO124 or PO125 are present, then the others are 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., UPC No., ISBN No., Model No., or SKU.

User:

When the condition of a book needs to be specified the Grad Code qualifier is used. Normally items are supplied in accordance with standing order processing terms and conditions. When needed to further amplify or change these procedures or to specifically identify the line item for pricing, the Grade Code is used in the Product/Service ID Qualifier (DE235) as 'GC'. Acceptable values for DE234 are listed with the GC code value in DE235.

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	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set User: <i>If used, this element should be unique within the PO1 segments in this transaction. For example the purchase order line item number.</i>	O	AN	1/20	Rec'd
PO102	330	Quantity Ordered Description: Quantity ordered	C	R	1/9	Required
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name CA Case CT Carton Description: Note: For non-book items.	O	ID	2/2	Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		EA Each Description: Note: For non-book items. ST Set UN Unit				
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used
PO105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item User: <i>Standard Book Industry definitions should be applied to this element.</i>	O	ID	2/2	Used
		<u>Code Name</u> CA Catalog CT Contract NC No Charge User: <i>The book industry uses this code to specify free goods</i> NT Net Description: Indicates a net unit price PE Price per Each PR Promotion SR Suggested Retail				
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> B1 Volume Set B2 Library of Congress Code B3 Edition Code B4 Binding Code B5 Title Code B6 Author Code B7 Publisher Code CB Buyer's Catalog Number EN European Article Number (EAN) (2-5-5-1) GC Grade Code Description: When using a qualifier value of GC then data element 234 should be one of the following values: 00 General Condition New or Used 01 New Condition Only 02 Used, Good Condition Only 03 Used, Poor Condition 04 Used, Any Condition 05 No Marked Complimentary Copies IA Information Media Type IB International Standard Book Number (ISBN) Description: The ISBN is the recommended value for the first occurrence of element 235. RY Record Keeping or Model Year Description: Note: Year of publication SJ Religious Retail Non-book Item SK Stock Keeping Unit (SKU) SL Seller's Lot Number UP U.P.C. Consumer Package Code (1-5-5-1) VE Vendor Color VN Vendor's (Seller's) Item Number	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO116	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO117	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO118	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO119	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO120	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO121	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO122	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO123	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
PO124	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'PO106' for usage.	C	ID	2/2	Used
PO125	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

SI Service Characteristic Identification

Pos: 018	Max: 5
Detail - Optional	
Loop: PO1	Elements: 21

To specify service characteristic data

Syntax:

- P0405 -- If either SI04 or SI05 are present, then the others are required.
- P0607 -- If either SI06 or SI07 are present, then the others are required.
- P0809 -- If either SI08 or SI09 are present, then the others are required.
- P1011 -- If either SI10 or SI11 are present, then the others are required.
- P1213 -- If either SI12 or SI13 are present, then the others are required.
- P1415 -- If either SI14 or SI15 are present, then the others are required.
- P1617 -- If either SI16 or SI17 are present, then the others are required.
- P1819 -- If either SI18 or SI19 are present, then the others are required.
- P2021 -- If either SI20 or SI21 are present, then the others are required.

Comments:

1. SI01 defines the source for each of the service characteristics qualifiers.

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>
SI01	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	M	ID	2/2	Required
		<u>Code Name</u>				
		BI Book Industry Systems Advisory Committee				
SI02	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics	M	AN	2/2	Required
		<u>Code Name</u>				
		AI Alternative ISBN				
		AT Adopted Title				
		B1 Volume Set				
		B2 Library of Congress Code				
		B3 Editor Code				
		B4 Binding Code				
		B5 Title Code				
		B6 Author Code				
		B7 Publisher Code				
		BN Bar Coded Serial Number				
		CB Buyer's Catalog Number				
		EN European Article Number				
		F9 Former Publisher				
		IM Imprint (Trademark Code of Subsidiary)				
		JN Job Number				
		NT Non-Adopted Title				
		PL Purchaser's Line Number				
		SJ Religious Retail Non-book item				
		VE Vendor Color				
SI03	234	Product/Service ID	M	AN	1/40	Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Identifying number for a product or service				
SI04	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI05	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI06	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI07	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI08	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI09	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI10	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI11	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI12	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI13	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI14	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI15	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI16	1000	Service Characteristics Qualifier	C	AN	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.				
SI17	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI18	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI19	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
SI20	1000	Service Characteristics Qualifier Description: Code from an industry code list qualifying the type of service characteristics User: Refer to code list specified in 'SI02' for usage.	C	AN	2/2	Used
SI21	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

CUR Currency

Pos: 020	Max: 1
Detail - Optional	
Loop: PO1	Elements: 21

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

Syntax:

- C0807 -- If CUR08 is present, then CUR07 is required
- C0907 -- If CUR09 is present, then CUR07 is required
- L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- C1110 -- If CUR11 is present, then CUR10 is required
- C1210 -- If CUR12 is present, then CUR10 is required
- L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- C1413 -- If CUR14 is present, then CUR13 is required
- C1513 -- If CUR15 is present, then CUR13 is required
- L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- C1716 -- If CUR17 is present, then CUR16 is required
- C1816 -- If CUR18 is present, then CUR16 is required
- L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- C2019 -- If CUR20 is present, then CUR19 is required
- C2119 -- If CUR21 is present, then CUR19 is required

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> BY Buying Party (Purchaser) SE Selling Party	M	ID	2/2	Required
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required
* CUR03	280	Exchange Rate Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Not Used
* CUR04	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used
* CUR05	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR06	669	Currency Market/Exchange Code Description: Code identifying the market upon which the currency exchange rate is based	O	ID	3/3	Not Used
* CUR07	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR08	373	Date Description: Date (YYMMDD)	O	DT	6/6	Not Used
* CUR09	337	Time 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)	O	TM	4/8	Not Used
* CUR10	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR11	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR12	337	Time 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)	C	TM	4/8	Not Used
* CUR13	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR14	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR15	337	Time 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)	C	TM	4/8	Not Used
* CUR16	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR17	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR18	337	Time 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)	C	TM	4/8	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR19	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR20	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR21	337	Time 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)	C	TM	4/8	Not Used

CTP Pricing Information

Pos: 040	Max: 1
Detail - Optional	
Loop: CTP	Elements: 11

To specify pricing information

Syntax:

- P0405 -- If either CTP04 or CTP05 are present, then the others are required.
- C0607 -- If CTP06 is present, then CTP07 is required
- C0902 -- If CTP09 is present, then CTP02 is required
- C1002 -- If CTP10 is present, then CTP02 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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CTP01	687	Class of Trade Code Description: Code indicating class of trade	O	ID	2/2	Not Used
CTP02	236	Price Identifier Code Description: Code identifying pricing specification <u>Code Name</u> CAT Catalog Price NET Net Item Price PRP Promotional price SLP Retail/List/Suggested Selling Price	C	ID	3/3	Used
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc.	O	R	1/17	Used
CTP04	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		Used
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> EA Each UN Unit	M	ID	2/2	Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
CTP06	648	Price Multiplier Qualifier Description: Code indicating the type of price multiplier User: <i>The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)</i>	O	ID	3/3	Used
		<u>Code Name</u> DIS Discount Multiplier				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP07	649	Multiplier Description: Value to be used as a multiplier to obtain a new value User: <i>The value is a REAL number. The value is represented in decimal form. A discount of 20% would have a value in this element of .8</i>	C	R	1/10	Used
* CTP08	782	Monetary Amount Description: Monetary amount	O	R	1/15	Not Used
* CTP09	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item	O	ID	2/2	Not Used
* CTP10	499	Condition Value Description: Identifies rate restrictions or provisions	O	AN	1/10	Not Used
* CTP11	289	Multiple Price Quantity Description: Quantity of units for a given price, e.g., 3 for \$10.00	O	N0	1/2	Not Used

PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 9

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

Syntax:

- C0403 -- If PID04 is present, then PID03 is required
- R0405 -- At least one of PID04 or PID05 is required.
- C0703 -- If PID07 is present, then PID03 is required
- C0803 -- If PID08 is present, then PID03 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.

User:

This segment is primarily used by the library community to order titles that have not yet been assigned an ISBN.

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 Description: Code indicating the format of a description <u>Code Name</u> F Free-form S Structured (From Industry Code List)	M	ID	1/1	Required
PID02	750	Product/Process Characteristic Code Description: Code identifying the general class of a product or process characteristic <u>Code Name</u> 08 Product	O	ID	2/3	Used
PID03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values <u>Code Name</u> BI Book Industry Systems Advisory Committee	C	ID	2/2	Used
PID04	751	Product Description Code Description: A code from an industry code list which provides specific data about a product characteristic <u>Code Name</u> A1 Author (1st 80 characters)	C	AN	1/12	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		A2 Author (81-160 characters)				
		B1 Volume Set				
		B3 Edition Code				
		B4 Binding code (physical features)				
		B5 Title Code				
		B6 Author Code				
		B7 Publisher Code				
		P1 Publisher (1st 80 characters)				
		P2 Publisher (81-160 characters)				
		T1 Title (1st 80 characters)				
		T2 Title (81-160 characters)				
		T3 Title (161-240 characters)				
PID05	352	Description Description: A free-form description to clarify the related data elements and their content User: <i>This element is the description for 'PID04'.</i>	C	AN	1/80	Used
* PID06	752	Surface/Layer/Position Code Description: Code indicating the product surface, layer or position that is being described	O	ID	2/2	Not Used
* PID07	822	Source Subqualifier Description: A reference that indicates the table or text maintained by the Source Qualifier	O	AN	1/15	Not Used
* PID08	1073	Yes/No Condition or Response Code Description: Code indicating a Yes or No condition or response	O	ID	1/1	Not Used
* PID09	819	Language Code Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	ID	2/3	Not Used

REF Reference Identification

Pos: 100	Max: >1
Detail - Optional	
Loop: PO1	Elements: 4

To specify identifying information

Syntax:

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

Semantics:

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

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 Description: Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		AE Authorization for Expense (AFE) Number				
		CR Customer Reference Number Description: The data coded with 'CR' is the customer's order line identifier. The vendor must hold this identifier and send it back to the customer on the purchase order acknowledgement and/or invoice. This is an extremely important piece of data. Each repetition of Table 2 MUST have a customer reference number defined.				
		FU Fund Code Description: Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund				
		MR Merchandise Type Code Description: The merchandise type code may be used to indicate a new or used, text or reference type condition against the entire order. Code selection may be referenced under the 'GC' definitions in the appendix. NOTE: Use of the 'GC' in the PO1 segment at detail level overrides any condition set by this reference.				
		PD Promotion/Deal Number				
		SB Sales Region Number				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 15

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

Syntax:

- R0203 -- At least one of SAC02 or SAC03 is required.
- P0304 -- If either SAC03 or SAC04 are present, then the others are required.
- P0607 -- If either SAC06 or SAC07 are present, then the others are required.
- P0910 -- If either SAC09 or SAC10 are present, then the others are required.
- C1110 -- If SAC11 is present, then SAC10 is required
- L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- C1413 -- If SAC14 is present, then SAC13 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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

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 Description: Code which indicates an allowance or charge for the service specified	M	ID	1/1	Required
		<u>Code</u> <u>Name</u>				
		A Allowance				
		C Charge				
		P Promotion				
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Used
		<u>Code</u> <u>Name</u>				
		A990 Cataloging Services				
		B210 Co-op Credit				
		E170 Labeling				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		F800 Promotional Allowance				
* SAC03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Not Used
* SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Description: Agency maintained code identifying the service, promotion, allowance, or charge	C	AN	1/10	Not Used
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used
* SAC06	378	Allowance/ Charge Percent Qualifier Description: Code indicating on what basis allowance or charge percent is calculated	C	ID	1/1	Not Used
* SAC07	332	Percent Description: Percent expressed as a percent	C	R	1/6	Not Used
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used
SAC09	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used
		<u>Code Name</u>				
		EA Each Description: For non-book items.				
		UN Unit				
SAC10	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
* SAC11	380	Quantity Description: Numeric value of quantity	O	R	1/15	Not Used
* SAC12	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for an allowance or charge	O	ID	2/2	Not Used
* SAC13	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
* SAC14	770	Option Number Description: A unique number identifying available promotion or allowance options when more than one is offered	O	AN	1/20	Not Used
* SAC15	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

IT8 Conditions of Sale

Pos: 140	Max: 1
Detail - Optional	
Loop: PO1	Elements: 27

To specify general conditions or requirements and to detail conditions for substitution of alternate products

Syntax:

- R0102030507 -- At least one of IT801, IT802, IT803, IT805 or IT807 is required.
- P0809 -- If either IT808 or IT809 are present, then the others are required.
- P1011 -- If either IT810 or IT811 are present, then the others are required.
- P1213 -- If either IT812 or IT813 are present, then the others are required.
- P1415 -- If either IT814 or IT815 are present, then the others are required.
- P1617 -- If either IT816 or IT817 are present, then the others are required.
- P1819 -- If either IT818 or IT819 are present, then the others are required.
- P2021 -- If either IT820 or IT821 are present, then the others are required.
- P2223 -- If either IT822 or IT823 are present, then the others are required.
- P2425 -- If either IT824 or IT825 are present, then the others are required.
- P2627 -- If either IT826 or IT827 are present, then the others are required.

Semantics:

1. IT803 is the maximum monetary amount value which the order must not exceed.
2. IT804 is the account number to which the purchase amount is to be charged.
3. IT805 is the date specified by the sender to be shown on the invoice.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT808 through IT827 provides for ten different product/service IDs for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., or SKU.

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>
IT801	563	Sales Requirement Code Description: Code to identify a specific requirement or agreement of sale	C	ID	1/2	Used
		<u>Code Name</u>				
		B Back Order Only If New Item				
		C Consignment				
		N No Back Order				
		O Back Order If Items Are Out of Stock or Not Yet Published				
		SW Ship Per Release or Buyer Authorization				
		Description: Ship after authorization is received				
		Y Back Order if Out of Stock				
		BK Ship Partial - Balance Back Order				
		SC Ship Complete				
		SP Ship Partial,Balance Cancel				
		SS Ship Per Schedule				
IT802	564	Do-Not-Exceed Action Code Description: Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565)	C	ID	1/1	Used
		<u>Code Name</u>				
		0 Cancel Balance of Order/Item that Exceeds Value Specified in Data Element 565				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	1	Cancel Entire Order/Item				
IT803	610	Amount Description: Monetary amount	C	N2	1/15	Used
* IT804	508	Account Number Description: Account number assigned	O	AN	1/35	Not Used
* IT805	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* IT806	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	O	ID	2/2	Not Used
* IT807	566	Product/Service Substitution Code Description: Code indicating product or service substitution conditions	C	ID	1/2	Not Used
* IT808	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT809	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT810	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT811	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT812	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT813	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT814	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT815	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT816	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT817	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT818	235	Product/Service ID Qualifier	C	ID	2/2	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
* IT819	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT820	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT821	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT822	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT823	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT824	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT825	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used
* IT826	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Not Used
* IT827	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Not Used

SDQ Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 23

To specify destination and quantity detail

Syntax:

- P0506 -- If either SDQ05 or SDQ06 are present, then the others are required.
- P0708 -- If either SDQ07 or SDQ08 are present, then the others are required.
- P0910 -- If either SDQ09 or SDQ10 are present, then the others are required.
- P1112 -- If either SDQ11 or SDQ12 are present, then the others are required.
- P1314 -- If either SDQ13 or SDQ14 are present, then the others are required.
- P1516 -- If either SDQ15 or SDQ16 are present, then the others are required.
- P1718 -- If either SDQ17 or SDQ18 are present, then the others are required.
- P1920 -- If either SDQ19 or SDQ20 are present, then the others are required.
- P2122 -- If either SDQ21 or SDQ22 are present, then the others are 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.

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	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Required
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> UN Unit	M	ID	2/2	Required
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent	O	R	1/15	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Power to which a unit is raised				
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
SDQ02	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 1 D-U-N-S Number,Dun & Bradstreet 9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix 15 Standard Address Number (SAN) 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	O	ID	1/2	Used
SDQ03	67	Identification Code Description: Code identifying a party or other code	M	AN	2/20	Required
SDQ04	380	Quantity Description: Numeric value of quantity	M	R	1/15	Required
SDQ05	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		User: Refer to code list specified in 'SDQ03' for usage.				
SDQ06	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ07	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ08	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ09	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ10	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ11	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ12	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ14	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ16	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ18	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		User: Refer to code list specified in 'SDQ03' for usage.				
SDQ20	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code User: Refer to code list specified in 'SDQ03' for usage.	C	AN	2/20	Used
SDQ22	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
* SDQ23	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Not Used

DTM Date/Time Reference

Pos: 210	Max: 10
Detail - Optional	
Loop: PO1	Elements: 7

To specify pertinent dates and times

Syntax:

R020306 -- At least one of DTM02, DTM03 or DTM06 is required.

P0607 -- If either DTM06 or DTM07 are present, then the others are required.

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 Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required
		<u>Code</u> <u>Name</u>				
		002 Delivery Requested				
		010 Requested Ship				
		037 Ship Not Before				
		038 Ship No Later				
		077 Requested for Delivery (Week of)				
		087 Requested for Shipment (Week of)				
		168 Release				
		175 Cancel if not shipped by				
		181 Stop Work (as of)				
		182 Will Advise (as of)				
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required
* DTM03	337	Time 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)	C	TM	4/8	Not Used
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used
* DTM07	1251	Date Time Period	C	AN	1/35	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Expression of a date, a time, or range of dates, times or dates and times				

CTB Restrictions/ Conditions

Pos: 293	Max: >1
Detail - Optional	
Loop: PO1	Elements: 6

To specify restrictions/conditions (such as shipping, ordering)

Syntax:

R020406 -- At least one of CTB02, CTB04 or CTB06 is required.
 P0304 -- If either CTB03 or CTB04 are present, then the others are required.
 P0506 -- If either CTB05 or CTB06 are present, then the others are required.

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>
CTB01	688	Restrictions/Conditions Qualifier Description: Code identifying the type of restriction/condition <u>Code Name</u> NR Nonreturnable	M	ID	2/2	Required
* CTB02	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
CTB03	673	Quantity Qualifier Description: Code specifying the type of quantity <u>Code Name</u> FL Units	C	ID	2/2	Used
CTB04	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
* CTB05	522	Amount Qualifier Code Description: Code to qualify amount	C	ID	1/2	Not Used
* CTB06	610	Amount Description: Monetary amount	C	N2	1/15	Not Used

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 7

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

Syntax:

P0304 -- If either CTT03 or CTT04 are present, then the others are required.

P0506 -- If either CTT05 or CTT06 are present, then the others are required.

Comments:

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

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 Description: Total number of line items in the transaction set	M	N0	1/6	Required
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O	R	1/10	Used
* CTT03	81	Weight Description: Numeric value of weight	C	R	1/10	Not Used
* CTT04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not Used
* CTT05	183	Volume Description: Value of volumetric measure	C	R	1/8	Not Used
* CTT06	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not Used
* CTT07	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

SE Transaction Set Trailer

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

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

Comments:

- SE is the last segment of each 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>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Required
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required