850 Purchase Order

Version: BISG 1.0 Final

Development Platform Software provided by

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850 Purchase Order

Functional Group=PO

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>1			Recommended
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			Must use
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	**N2/010L**	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
018	SI	Service Characteristic Identification	O	5			Used
020	CUR	Currency	O	1			Not recommended
LOOP ID - CTP					**>1**		
040	CTP	Pricing Information	O	1			Used
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Not recommended
100	REF	Reference Identification	O	>1			Used
LOOP ID - SAC					**25**		
130	SAC	Service, Promotion, Allowance, or Charge	O	1			Used

		Information				
140	IT8	Conditions of Sale	O	1		Used
190	SDQ	Destination Quantity	O	500		Not recommended
210	DTM	Date/Time Reference	O	10		Not recommended
293	CTB	Restrictions/ Conditions	O	>1		Used

Summary:

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

Notes:

2/010L   PO102 is required.

2/010   PO102 is required.

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

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

ST   Transaction Set Header

Pos: 010	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 3**

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
850	Purchase Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST03	1705	**Implementation Convention Reference**	O	AN	1/35	Used

Description: Reference assigned to identify Implementation Convention

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	**Elements: 7**

User Option (Usage): Must use
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set
User Note 1: *Use of any code value other than '00' requires trading partner agreement.*

Code	Name
00	Original
06	Confirmation
07	Duplicate
17	Cancel, to be Reissued
28	Query

User Note 1:
BISAC - Note that this code could be used for a request for quote.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG02	92	**Purchase Order Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of Purchase Order

Code	Name
BY	Buying
NE	New Order

User Note 1:
BISAC - Most commonly used value in the book industry is 'NE'.
Simon and Schuster

Code	Name
NS	New Store Opening
OS	Special Order
RE	Reorder
RL	Release or Delivery Order
RO	Rush Order
SA	Stand-alone Order
SS	Supply or Service Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG03	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser
User Note 1: *Based upon past practices in the book industry, the recommended length for a PO number is up to a maximum of 13 characters.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG04	328	**Release Number**	O	AN	1/30	Used

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
User Note 1: *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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG05	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG06	367	**Contract Number**	O	AN	1/30	Used

Description: Contract number

BEG07	587	**Acknowledgment Type**		O	ID	2/2	Used

Description: Code specifying the type of acknowledgment

<u>Code</u>	<u>Name</u>
AC	Acknowledge - With Detail and Change
AE	Acknowledge - With Exception Detail Only
NA	No Acknowledgment Needed

Semantics:

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

CUR   Currency

<div style="border:1px solid black">

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

</div>

User Option (Usage): Used
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code	Name
BY	Buying Party (Purchaser)
SE	Selling Party

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified
User Note 1: *USD = America (United States of America), Dollars*
CAD = Canada, Dollars

Syntax Rules:

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

Comments:

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

REF   Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Recommended
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code Qualifying the Reference Identification

Code	Name
AE	Authorization for Expense (AFE) Number
CT	Contract Number
FU	Fund Code
IT	Internal Customer Number
MR	Merchandise Type Code
PD	Promotion/Deal Number
PR	Price Quote Number
SB	Sales Region Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	C	AN	1/30	Recommended

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

Syntax Rules:

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

Semantics:

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

TAX Tax Reference

Pos: 070	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used
Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TAX01	325	**Tax Identification Number**	C	AN	1/20	Used

Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TAX02	309	**Location Qualifier**	C	ID	1/2	Used

Description: Code identifying type of location

Code	Name
CC	Country
CI	City
SP	State/Province

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TAX03	310	**Location Identifier**	C	AN	1/30	Used

Description: Code which identifies a specific location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TAX12	441	**Tax Exempt Code**	O	ID	1/1	Used

Description: Code identifying exemption status from sales and use tax

Code	Name
0	Exempt (For Export)
1	Yes (Tax Exempt)

Syntax Rules:

1. R0103 - At least one of TAX01 or TAX03 is required.
2. P0203 - If either TAX02 or TAX03 is present, then the other is required.
3. P0405 - If either TAX04 or TAX05 is present, then the other is required.
4. P0607 - If either TAX06 or TAX07 is present, then the other is required.
5. P0809 - If either TAX08 or TAX09 is present, then the other is required.
6. P1011 - If either TAX10 or TAX11 is present, then the other is 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.

FOB F.O.B. Related Instructions

Pos: 080	**Max: >1**
Heading - Optional	
Loop: N/A	**Elements: 3**

User Option (Usage): Used
Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code	Name
BP	Paid by Buyer
CC	Collect
DF	Defined by Buyer and Seller
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
PU	Pickup
TP	Third Party Pay

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	C	ID	1/2	Used

Description: Code identifying type of location

Code	Name
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB08	54	**Risk of Loss Qualifier**	O	ID	2/2	Used

Description: Code specifying where responsibility for risk of loss passes

Code	Name
BY	Risk of Loss in Transit to Destination is Buyer's
SE	Risk of Loss in Transit to Destination is Seller's

Syntax Rules:

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

Semantics:

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

CSH Sales Requirements

Pos: 110	Max: 5
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used
Purpose: To specify general conditions or requirements of the sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CSH01	563	**Sales Requirement Code**	O	ID	1/2	Used

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

Code	Name
B	Back Order Only If New Item

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
C	Consignment

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
N	No Back Order

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
O	Back Order If Items Are Out of Stock or Not Yet Published

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
Y	Back Order if Out of Stock

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
BK	Ship Partial - Balance Back Order

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
SC	Ship Complete

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
SP	Ship Partial, Cancel Balance

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
SS	Ship Per Schedule

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Code	Name
SW	Ship Per Release or Buyer Authorization

> **User Note 1:**
> *BISAC - Carried from x12 v4010*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CSH06	559	**Agency Qualifier Code**	C	ID	2/2	Used

Description: Code identifying the agency assigning the code values

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CSH07	560	**Special Services Code**	C	ID	2/10	Used

Description: Code identifying the special service

Code	Name
AA	Tank Wash Required
CA	Cataloging Services

FR	Frequent Importer Release System (FIRST)
FT	Free and Secure Trade (FAST)
HC	Handling Service
LA	Labeling
CSA	Canadian Customers Self Assessment (CSA)

Syntax Rules:

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

Semantics:

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

Loop Service, Promotion, Allowance, or Charge Information

<div style="border: 1px solid black;">

Pos: 120   **Repeat: 25**
Optional
Loop: SAC   **Elements: N/A**

</div>

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

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

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

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

Code	Name
A	Allowance
C	Charge
P	Promotion

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4	Used

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

Code	Name
A990	Cataloging Services
B210	Co-op Credit
E170	Labeling
F800	Promotional Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC08	118	**Rate**	O	R	1/9	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC09	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
JP	Pre-pack
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC10	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Syntax Rules:

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

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount which 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 with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time
User Note 1: *MEIG Note: There is a change from v4010 where the code list was changed from 2 characters to 3 characters, example code '01' , Cancel After; is now code '001', Cancel After*

Code	Name
001	Cancel After

User Note 1:
BISAC, Simon and Schuster

002	Delivery Requested

User Note 1:
BISAC

010	Requested Ship

User Note 1:
BISAC

014	Deferred Payment

User Note 1:
BISAC, Simon and Schuster

037	Ship Not Before

User Note 1:
BISAC, Simon and Schuster

038	Ship No Later

User Note 1:
BISAC, Simon and Schuster

077	Requested for Delivery (Week of)

User Note 1:
BISAC

087	Requested for Shipment (Week of)

User Note 1:
BISAC

168	Release

User Note 1:
BISAC

175	Cancel if not shipped by

User Note 1:
BISAC

181	Stop Work (as of)

User Note 1:
BISAC

182	Will Advise (as of)

User Note 1:
BISAC

DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. P0607 - If either DTM06 or DTM07 is present, then the other is required.
2. R020306 - At least one of DTM02, DTM03 or DTM06 is required.

SI Service Characteristic Identification

Pos: 185	**Max: 2**
Heading - Optional	
Loop: N/A	**Elements: 3**

User Option (Usage): Used
Purpose: To specify service characteristic data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI01	559	**Agency Qualifier Code**	M	ID	2/2	Must use

Description: Code identifying the agency assigning the code values

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI02	1000	**Service Characteristics Qualifier**	M	AN	2/2	Must use

Description: Code from an industry code list qualifying the type of service characteristics

Code	Name
CR	Carton Rounding

User Note 1:
BISAC - Rounding should be done according to trading partner agreement.

Code	Name
EX	Exact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI03	234	**Product/Service ID**	M	AN	1/40	Must use

Description: Identifying number for a product or service

Code	Name
BI	Book Industry Systems Advisory Committee

Syntax Rules:

1. P0405 - If either SI04 or SI05 is present, then the other is required.
2. P0607 - If either SI06 or SI07 is present, then the other is required.
3. P0809 - If either SI08 or SI09 is present, then the other is required.
4. P1011 - If either SI10 or SI11 is present, then the other is required.
5. P1213 - If either SI12 or SI13 is present, then the other is required.
6. P1415 - If either SI14 or SI15 is present, then the other is required.
7. P1617 - If either SI16 or SI17 is present, then the other is required.
8. P1819 - If either SI18 or SI19 is present, then the other is required.
9. P2021 - If either SI20 or SI21 is present, then the other is required.

Comments:

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

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used
Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	O	ID	1/2	Used

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

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	C	ID	1/2	Used

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

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD512	284	**Service Level Code**	C	ID	2/2	Used

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

User Note 1: *The codes listed are the codes commonly used within the industry. Trading partners may agree on other codes that are available.*

Code	Name
3D	Three Day Service
G2	Standard Service
ND	Next Day Air
NH	Next Day Hundred Weight
ON	Overnight
SC	Second Day Air
SE	Second Day
SG	Standard Ground
SH	Second Day Hundred Weight
SI	Standard Ground Hundred Weight

Syntax Rules:

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

Comments:

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

Loop Name

Pos: 310	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
310	N1	Name	O	1		Must use
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

N1 **Name**

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code	Name
BS	Bill and Ship To

> **User Note 1:**
> *BISAC, Simon and Schuster*

BT	Bill-to-Party

> **User Note 1:**
> *BISAC, Simon and Schuster*

SF	Ship From

> **User Note 1:**
> *BISAC*

ST	Ship To

> **User Note 1:**
> *BISAC, Simon and Schuster*

VN	Vendor

> **User Note 1:**
> *BISAC*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/35	Not recommended

Description: Free-form name

N103	66	**Identification Code Qualifier**	C	ID	1/2	Recommended

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

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
12	Telephone Number (Phone)

> **User Note 1:**
> *BISAC - Carried from X12 850 4010*

15	Standard Address Number (SAN)

> **User Note 1:**
> *BISAC - Recommended by the book industry.*

91	Assigned by Seller or Seller's Agent

> **User Note 1:**
> *BISAC - Carried from X12 850 4010*

92	Assigned by Buyer or Buyer's Agent

> **User Note 1:**
> *BISAC - Carried from X12 850 4010*

UL	Global Location Number (GLN)
ZZ	Mutually Defined

N104	67	**Identification Code**	C	AN	2/20	Recommended

Description: Code identifying a party or other code

Syntax Rules:

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

Comments:

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

N2

Additional Name Information

<table>
<tr><td>Pos: 320</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/35	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/35	Used
		Description: Free-form name				

N3 Address Information

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

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/35	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/35	Used
		Description: Address information				

N4 Geographic Location

Pos: 340	**Max: >1**
Heading - Optional	
Loop: N1	**Elements: 5**

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N407	1715	**Country Subdivision Code**	X	ID	1/3	Used

Description: Code identifying the country subdivision
User Note 1: *See ISO 3166-2 Country subdivision code*

Syntax Rules:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

REF   Reference Identification

Pos: 350	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code Qualifying the Reference Identification

Code	Name
CO	Customer Order Number
DP	Department Number
IA	Internal Vendor Number
IT	Internal Customer Number
KO	Customs Drawback Entry Number

User Note 1:
  " of certain import duties

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	C	AN	1/30	Recommended

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

Syntax Rules:

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

Semantics:

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

PER | Administrative Communications Contact

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

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

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

Code	Name
1I	Local Contact
AJ	Primary Contact
DC	Delivery Contact
DR	Discrepancy Report Reply Contact
LG	Logistics Contact
OC	Order Contact
SU	Supplier Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/35	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
AE	Area Code
BN	Beeper Number
CP	Cellular Phone
EA	Internet Email Address
EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	C	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number
User Note 1: *Refer to code list specified in 'PER03' for usage.*

Code	Name
AE	Area Code
EA	Internet Email Address

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	C	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number
User Note 1: *Refer to code list specified in 'PER03' for usage.*

		Code	**Name**				
		AE	Area Code				
		EA	Internet Email Address				
PER08	364	**Communication Number**		C	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Baseline Item Data

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

User Option (Usage): Must use
Purpose: To specify basic and most frequently used line item data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	PO1	Baseline Item Data	M	1		Must use
018	SI	Service Characteristic Identification	O	5		Used
020	CUR	Currency	O	1		Not recommended
040		Loop CTP	O		>1	Used
050		Loop PID	O		1000	Not recommended
100	REF	Reference Identification	O	>1		Used
130		Loop SAC	O		25	Used
140	IT8	Conditions of Sale	O	1		Used
190	SDQ	Destination Quantity	O	500		Not recommended
210	DTM	Date/Time Reference	O	10		Not recommended
293	CTB	Restrictions/ Conditions	O	>1		Used

User Note 1:

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.

PO1 Baseline Item Data

				Pos: 010 Max: 1
				Detail - Mandatory
				Loop: PO1 Elements: 26

User Option (Usage): Must use
Purpose: To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Recommended

Description: Alphanumeric characters assigned for differentiation within a transaction set
User Note 1: *If used, this element should be unique within the PO1 segments in this transaction. For example the purchase order line item number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	C	R	1/9	Must use

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CA	Case

User Note 1:
BISAC Note: For non-book items.

Code	Name
CT	Carton
EA	Each

User Note 1:
BISAC Note: For non-book items.

Code	Name
ST	Set
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	C	R	1/17	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO105	639	**Basis of Unit Price Code**	O	ID	2/2	Used

Description: Code identifying the type of unit price for an item
User Note 1: *Standard Book Industry definitions should be applied to this element.*

Code	Name
CA	Catalog
CT	Contract
NC	No Charge

User Note 1:
BISAC - The book industry uses this code to specify free goods

Code	Name
NT	Net
PE	Price per Each
PR	Promotion
SR	Suggested Retail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

Code	Name
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

IB	International Standard Book Number (ISBN)

User Note 1:
ISBN-10

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

User Note 1:
UCC/EAN-14

UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO107	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

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

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

Code	Name
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

IB	International Standard Book Number (ISBN)

User Note 1:
ISBN-10

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

User Note 1:
UCC/EAN-14

UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO109	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

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

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

Code	Name
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

IB	International Standard Book Number (ISBN)

User Note 1:
ISBN-10

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

User Note 1:
UCC/EAN-14

UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO111	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

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

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

IB	International Standard Book Number (ISBN)

User Note 1:
ISBN-10

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

User Note 1:
UCC/EAN-14

UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO113	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO114	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

IB	International Standard Book Number (ISBN)

User Note 1:
ISBN-10

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

User Note 1:
UCC/EAN-14

UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO115	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO116	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
ISBN-13

	IB	International Standard Book Number (ISBN)				
		User Note 1:				
		ISBN-10				
	UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		User Note 1:				
		UCC/EAN-14				
	UP	U.P.C. Consumer Package Code (1-5-5-1)				
	VN	Vendor's (Seller's) Item Number				
PO117	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO118	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

Code	**Name**
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
	User Note 1:
	ISBN-13
IB	International Standard Book Number (ISBN)
	User Note 1:
	ISBN-10
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
	User Note 1:
	UCC/EAN-14
UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO119	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO120	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: *Refer to code list specified in 'PO106' for usage.*

Code	**Name**
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
	User Note 1:
	ISBN-13
IB	International Standard Book Number (ISBN)
	User Note 1:
	ISBN-10
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
	User Note 1:
	UCC/EAN-14
UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO121	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO122	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: Refer to code list specified in 'PO106' for usage.

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
	User Note 1: *ISBN-13*
IB	International Standard Book Number (ISBN)
	User Note 1: *ISBN-10*
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
	User Note 1: *UCC/EAN-14*
UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO123	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

PO124	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

User Note 1: Refer to code list specified in 'PO106' for usage.

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
	User Note 1: *ISBN-13*
IB	International Standard Book Number (ISBN)
	User Note 1: *ISBN-10*
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
	User Note 1: *UCC/EAN-14*
UP	U.P.C. Consumer Package Code (1-5-5-1)
VN	Vendor's (Seller's) Item Number

PO125	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Comments:

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

User Note 1:

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.

SI Service Characteristic Identification

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

User Option (Usage): Used
Purpose: To specify service characteristic data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI01	559	**Agency Qualifier Code**	M	ID	2/2	Must use

Description: Code identifying the agency assigning the code values

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI02	1000	**Service Characteristics Qualifier**	M	AN	2/2	Must use

Description: Code from an industry code list qualifying the type of service characteristics

Code	Name
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
UK	UCC/EAN-14
VE	Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI03	234	**Product/Service ID**	M	AN	1/40	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI04	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI05	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI06	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SI07	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI08	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI09	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI10	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI11	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI12	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI13	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI14	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI15	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI16	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI17	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI18	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI19	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SI20	1000	**Service Characteristics Qualifier**	C	AN	2/2	Used

Description: Code from an industry code list qualifying the type of service characteristics
User Note 1: *Refer to code list specified in 'SI02' for usage.*

SI21	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either SI04 or SI05 is present, then the other is required.
2. P0607 - If either SI06 or SI07 is present, then the other is required.
3. P0809 - If either SI08 or SI09 is present, then the other is required.
4. P1011 - If either SI10 or SI11 is present, then the other is required.
5. P1213 - If either SI12 or SI13 is present, then the other is required.
6. P1415 - If either SI14 or SI15 is present, then the other is required.
7. P1617 - If either SI16 or SI17 is present, then the other is required.
8. P1819 - If either SI18 or SI19 is present, then the other is required.

9. P2021 - If either SI20 or SI21 is present, then the other is required.

Comments:

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

CUR   Currency

<div style="border:1px solid black">

Pos: 020   **Max: 1**
Detail - Optional
Loop: PO1   Elements: 2

</div>

User Option (Usage): Not recommended
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/2	Must use

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

Code	Name
BY	Buying Party (Purchaser)
SE	Selling Party

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

Syntax Rules:

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

Comments:

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

Loop Pricing Information

Pos: 040	Repeat: >1
Optional	
Loop: CTP Elements: N/A	

User Option (Usage): Used
Purpose: To specify pricing information

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
040	CTP	Pricing Information	O	1		Used

CTP   Pricing Information

User Option (Usage): Used
Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	**Price Identifier Code**	C	ID	3/3	Used

Description: Code identifying pricing specification

Code	Name
CAT	Catalog Price
NET	Net Item Price
PRP	Promotional price
SLP	Retail/List/Suggested Selling Price

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	O	R	1/17	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP04	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP05	C001	**Composite Unit of Measure**	C	Comp		Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP05-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP06	648	**Price Multiplier Qualifier**	O	ID	3/3	Used

Description: Code indicating the type of price multiplier
User Note 1: *The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)*

Code	Name
DIS	Discount Multiplier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP07	649	**Multiplier**	C	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value
User Note 1: *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*

Syntax Rules:

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

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.

2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop Product/Item Description

Pos: 050	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Not recommended
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	PID	Product/Item Description	O	1		Not recommended

User Note 1:

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

PID   Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	**Elements: 5**

User Option (Usage): Not recommended
Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code	Name
F	Free-form
S	Structured (From Industry Code List)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	O	ID	2/3	Used

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

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID03	559	**Agency Qualifier Code**	C	ID	2/2	Used

Description: Code identifying the agency assigning the code values

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID04	751	**Product Description Code**	C	AN	1/12	Used

Description: A code from an industry code list which provides specific data about a product characteristic

Code	Name
A2	Author (81-160 characters)
B1	Volume Set
B4	Binding code (physical features)
B6	Author Code
B7	Publisher Code
P1	Publisher (1st 80 characters)
P2	Publisher (81-160 characters)
A1	Author (1st 80 characters)
B3	Edition Code
B5	Title Code
T1	Title (1st 80 characters)
T2	Title (81-160 characters)
T3	Title (161-240 characters)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	C	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content
User Note 1: *This element is the description for 'PID04'.*

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. 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 Note 1:

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

REF   Reference Identification

Pos: 100	Max: >1
Detail - Optional	
Loop: PO1	**Elements: 2**

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code Qualifying the Reference Identification

Code	Name
00	Contracting District Number
AE	Authorization for Expense (AFE) Number
CR	Customer Reference Number
FU	Fund Code
MR	Merchandise Type Code
PD	Promotion/Deal Number
SB	Sales Region Number
01A	Catalog of Federal Domestic Assistance
01B	Union Agreement
01C	Military Standard Requisitioning and Issue Procedures (MILSTRIP) Document Number
01D	Federal Standard Requisitioning and Issue Procedures (FEDSTRIP) Document Number
01E	Federal Supply Schedule Special (FSS) Item Number
01G	Payment Related Clause
01H	Special Price Authorization Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	C	AN	1/30	Used

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

Syntax Rules:

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

Semantics:

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

Loop Service, Promotion, Allowance, or Charge Information

Pos: 130	**Repeat: 25**
Optional	
Loop: SAC	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

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

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

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

Code	Name
A	Allowance
C	Charge
P	Promotion

SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4	Used

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

Code	Name
A990	Cataloging Services
B210	Co-op Credit
E170	Labeling
F800	Promotional Allowance

SAC05	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount

SAC08	118	**Rate**	O	R	1/9	Used

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

SAC09	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each
UN	Unit

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

Description: Numeric value of quantity

Syntax Rules:

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

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount which 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 with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

IT8 **Conditions of Sale**

Pos: 140 Max: 1
Detail - Optional
Loop: PO1   Elements: 3

User Option (Usage): Used
Purpose: To specify general conditions or requirements and to detail conditions for substitution of alternate products

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT801	563	**Sales Requirement Code**	C	ID	1/2	Used

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

Code	Name
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
Y	Back Order if Out of Stock
BK	Ship Partial - Balance Back Order
SC	Ship Complete
SP	Ship Partial, Cancel Balance
SS	Ship Per Schedule
SW	Ship Per Release or Buyer Authorization

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT802	306	**Action Code**	X	ID	1/2	Used

Description: Code indicating type of action

Code	Name
B	Cancel Balance of Order/Item that Exceeds Value Specified in Data Element 610
G	Cancel Entire Order/Item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT803	610	**Amount**	C	N2	1/15	Used

Description: Monetary amount

Syntax Rules:

1. R0102030507 - At least one of IT801, IT802, IT803, IT805 or IT807 is required.
2. P0809 - If either IT808 or IT809 is present, then the other is required.
3. P1011 - If either IT810 or IT811 is present, then the other is required.
4. P1213 - If either IT812 or IT813 is present, then the other is required.
5. P1415 - If either IT814 or IT815 is present, then the other is required.
6. P1617 - If either IT816 or IT817 is present, then the other is required.
7. P1819 - If either IT818 or IT819 is present, then the other is required.
8. P2021 - If either IT820 or IT821 is present, then the other is required.
9. P2223 - If either IT822 or IT823 is present, then the other is required.
10. P2425 - If either IT824 or IT825 is present, then the other is required.
11. P2627 - If either IT826 or IT827 is present, then the other is 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., U.P.C. No., ISBN No., Model No., or SKU.

SDQ   Destination Quantity

Pos: 190	**Max: 500**
Detail - Optional	
Loop: PO1	**Elements: 22**

User Option (Usage): Not recommended
Purpose: To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ02	66	**Identification Code Qualifier**	O	ID	1/2	Used

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

Code	Name
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ03	67	**Identification Code**	M	AN	2/20	Must use

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ04	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ05	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code
User Note 1: *Refer to code list specified in 'SDQ03' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ06	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ07	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code
User Note 1: *Refer to code list specified in 'SDQ03' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ08	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ09	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code
User Note 1: *Refer to code list specified in 'SDQ03' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ10	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ11	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code
User Note 1: *Refer to code list specified in 'SDQ03' for usage.*

SDQ12	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	**Identification Code**	C	AN	2/20	Used
		Description: Code identifying a party or other code **User Note 1:** *Refer to code list specified in 'SDQ03' for usage.*				
SDQ14	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	**Identification Code**	C	AN	2/20	Used
		Description: Code identifying a party or other code **User Note 1:** *Refer to code list specified in 'SDQ03' for usage.*				
SDQ16	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	**Identification Code**	C	AN	2/20	Used
		Description: Code identifying a party or other code **User Note 1:** *Refer to code list specified in 'SDQ03' for usage.*				
SDQ18	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	**Identification Code**	C	AN	2/20	Used
		Description: Code identifying a party or other code **User Note 1:** *Refer to code list specified in 'SDQ03' for usage.*				
SDQ20	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	**Identification Code**	C	AN	2/20	Used
		Description: Code identifying a party or other code **User Note 1:** *Refer to code list specified in 'SDQ03' for usage.*				
SDQ22	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				

Syntax Rules:

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

Semantics:

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

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.

3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

DTM Date/Time Reference

Pos: 210	Max: 10
Detail - Optional	
Loop: PO1	**Elements: 2**

User Option (Usage): Not recommended
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
001	Cancel After

User Note 1:
BISAC, Simon and Schuster

002	Delivery Requested

User Note 1:
BISAC

010	Requested Ship

User Note 1:
BISAC

014	Deferred Payment

User Note 1:
BISAC, Simon and Schuster

037	Ship Not Before

User Note 1:
BISAC, Simon and Schuster

038	Ship No Later

User Note 1:
BISAC, Simon and Schuster

077	Requested for Delivery (Week of)

User Note 1:
BISAC

087	Requested for Shipment (Week of)

User Note 1:
BISAC

168	Release

User Note 1:
BISAC

175	Cancel if not shipped by

User Note 1:
BISAC

181	Stop Work (as of)

User Note 1:
BISAC

182	Will Advise (as of)

User Note 1:
BISAC

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. P0607 - If either DTM06 or DTM07 is present, then the other is required.

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

CTB   Restrictions/ Conditions

Pos: 293	Max: >1
Detail - Optional	
Loop: PO1	Elements: 4

User Option (Usage): Used
Purpose: To specify restrictions/conditions (such as shipping, ordering)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB01	688	**Restrictions/Conditions Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type of restriction/condition

Code	Name
NR	Nonreturnable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB03	673	**Quantity Qualifier**	C	ID	2/2	Used

Description: Code specifying the type of quantity

Code	Name
FL	Units

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB04	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07	C001	**Composite Unit of Measure**	O	Comp		Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-02	1018	**Exponent**	O	R	1/15	Used

Description: Power to which a unit is raised

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-03	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-04	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-05	1018	**Exponent**	O	R	1/15	Used

Description: Power to which a unit is raised

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-06	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB07-07	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

			Code	Name				
			EA	Each				
			UN	Unit				
CTB07-08	1018	**Exponent**			O	R	1/15	Used

Description: Power to which a unit is raised

CTB07-09	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value

CTB07-10	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

		Code	Name
		EA	Each
		UN	Unit

CTB07-11	1018	**Exponent**	O	R	1/15	Used

Description: Power to which a unit is raised

CTB07-12	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value

CTB07-13	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

		Code	Name
		EA	Each
		UN	Unit

CTB07-14	1018	**Exponent**	O	R	1/15	Used

Description: Power to which a unit is raised

CTB07-15	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value

Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.

Loop Transaction Totals

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

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	CTT	Transaction Totals	O	1		Must use

CTT Transaction Totals

Pos: 010	**Max: 1**
Summary - Optional	
Loop: CTT	**Elements: 2**

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT02	347	**Hash Total**	O	R	1/10	Used

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

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

SE Transaction Set Trailer

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

User Option (Usage): Must use
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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