



# **855 Purchase Order Acknowledgment**

**Version: BISG 1.0 Final**

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# 855

## Purchase Order Acknowledgment

### Functional Group=PR

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

#### Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>1			Recommended
110	CSH	Sales Requirements	O	1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
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
<b>LOOP ID - N1</b>					<b>200</b>		
300	N1	Name	O	1			Must use
310	N2	Additional Name Information	O	2			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	O	1			Used
340	REF	Reference Identification	O	12			Used
350	PER	Administrative Communications Contact	O	>1			Used

#### Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/010L</b>	
010	PO1	Baseline Item Data	O	1		N2/010	Must use
020	CUR	Currency	O	1			Not recommended
040	CTP	Pricing Information	O	>1			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
050	PID	Product/Item Description	O	1			Used
090	PO4	Item Physical Details	O	>1			Used
100	REF	Reference Identification	O	>1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
<b>LOOP ID - ACK</b>					<b>104</b>		
270	ACK	Line Item Acknowledgment	O	1			Must use

280	<b>DTM</b>	Date/Time Reference	O	1		Used
<b>LOOP ID - SCH</b>						
310	<b>SCH</b>	Line Item Schedule	O	1	<b>200</b> <b>N2/310L</b>	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.
- 2/310L The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 2/310 The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

# ST Transaction Set Header

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

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
		<u>Code</u>	<u>Name</u>			
		855	X12.9 Purchase Order Acknowledgment			
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

## Semantics:

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

# BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying purpose of transaction set						
		<u>Code</u>		<u>Name</u>		
		00		Original		
		02		Add		
		03		Delete		
		04		Change		
		06		Confirmation		
BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
<b>Description:</b> Code specifying the type of acknowledgment						
		<u>Code</u>		<u>Name</u>		
		AC		Acknowledge - With Detail and Change		
		AE		Acknowledge - With Exception Detail Only		
		RJ		Rejected - No Detail		
BAK03	324	Purchase Order Number	M	AN	1/22	Must use
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
BAK04	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
BAK05	328	Release Number	O	AN	1/30	Used
<b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction						
BAK06	326	Request Reference Number	O	AN	1/45	Used
<b>Description:</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)						
BAK07	367	Contract Number	O	AN	1/30	Used
<b>Description:</b> Contract number						
BAK09	373	Date	O	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						

## Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

# CUR Currency

<b>Pos: 040</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	<b>Entity Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
		<u>Code</u>		<u>Name</u>		
		BY		Buying Party (Purchaser)		
		SE		Selling Party		
CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified						
CUR03	280	<b>Exchange Rate</b>	O	R	4/10	Used
<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another						

## 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.



# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code Qualifying the Reference Identification						
		<u>Code</u>	<u>Name</u>			
		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			
REF02	127	Reference Identification	C	AN	1/30	Recommended
<b>Description:</b> 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.

# CSH Sales Requirements

Pos: 110	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify general conditions or requirements of the sale

## Element Summary:

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

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

<u>Code</u>	<u>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
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
SW	Ship Per Release or Buyer Authorization

CSH06	559	<b>Agency Qualifier Code</b>	C	ID	2/2	Used
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**Description:** Code identifying the agency assigning the code values

<u>Code</u>	<u>Name</u>
BI	Book Industry Systems Advisory Committee

## 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

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

**User Option (Usage):** Used

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

### Loop Summary:

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

# SAC Service, Promotion, Allowance, or Charge Information

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
		P		Promotion		
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	C	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
		<u>Code</u>		<u>Name</u>		
		A990		Cataloging Services		
		B210		Co-op Credit		
		E170		Labeling		
		F800		Promotional Allowance		
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
<b>Description:</b> Monetary amount						
SAC08	118	<b>Rate</b>	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC09	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
		UN		Unit		
SAC10	380	<b>Quantity</b>	C	R	1/15	Used
<b>Description:</b> 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:

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

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

<u>Code</u>	<u>Name</u>
001	Cancel After
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	C	DT	8/8	Must use
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**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:

<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	M	ID	2/2	Must use
<b>Description:</b> Code identifying the agency assigning the code values						
		<u>Code</u>	<u>Name</u>			
		BI	Book Industry Systems Advisory Committee			
SI02	1000	Service Characteristics Qualifier	M	AN	2/2	Must use
<b>Description:</b> Code from an industry code list qualifying the type of service characteristics						
		<u>Code</u>	<u>Name</u>			
		CR	Carton Rounding			
		EX	Exact			
SI03	234	Product/Service ID	M	AN	1/40	Must use
<b>Description:</b> Identifying number for a product or service						
		<u>Code</u>	<u>Name</u>			
		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: 3

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD501	133	<b>Routing Sequence Code</b>	O	ID	1/2	Used
<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement						
		<u>Code</u>		<u>Name</u>		
		B		Origin/Delivery Carrier (Any Mode)		
TD505	387	<b>Routing</b>	C	AN	1/35	Used
<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity						
TD512	284	<b>Service Level Code</b>	C	ID	2/2	Used
<b>Description:</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier						
		<u>Code</u>		<u>Name</u>		
		3D		Three Day Service		
		G2		Standard Service		
		ND		Next Day Air		
		NH		Next Day Hundred Weight		
		ON		Overnight		
		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: 300	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
300	N1	Name	O	1		Must use
310	N2	Additional Name Information	O	2		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used
340	REF	Reference Identification	O	12		Used
350	PER	Administrative Communications Contact	O	>1		Used

**N1****Name**

<b>Pos: 300</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
		<u>Code</u>		<u>Name</u>		
		BS		Bill and Ship To		
		BT		Bill-to-Party		
		SF		Ship From		
		ST		Ship To		
		VN		Vendor		
N102	93	<b>Name</b>	C	AN	1/35	Not recommended
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	C	ID	1/2	Recommended
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>		<u>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		
		12		Telephone Number (Phone)		
		15		Standard Address Number (SAN)		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	<b>Identification Code</b>	C	AN	2/20	Recommended
<b>Description:</b> Code identifying a party or other code						

**Syntax Rules:**

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

**Comments:**

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

**N2**

## Additional Name Information

Pos: 310	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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

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

**N3****Address Information**

<b>Pos: 320</b>	<b>Max: 2</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

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

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

# N4 Geographic Location

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

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

## Syntax Rules:

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

## Comments:

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

# REF Reference Identification

Pos: 340	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code Qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		CO		Customer Order Number		
		DP		Department Number		
		IT		Internal Customer Number		
REF02	127	Reference Identification	C	AN	1/30	Used
<b>Description:</b> 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: 350	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>	<u>Name</u>			
		DC	Delivery Contact			
		OC	Order Contact			
		SU	Supplier Contact			
PER02	93	<b>Name</b>	O	AN	1/35	Used
<b>Description:</b> Free-form name						
PER03	365	<b>Communication Number Qualifier</b>	C	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
		<u>Code</u>	<u>Name</u>			
		BN	Beeper Number			
		CP	Cellular Phone			
		EM	Electronic Mail			
		EX	Telephone Extension			
		FX	Facsimile			
		TE	Telephone			
PER04	364	<b>Communication Number</b>	C	AN	1/80	Used
<b>Description:</b> Complete communications number including country or area code when applicable						
PER05	365	<b>Communication Number Qualifier</b>	C	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
		<u>Code</u>	<u>Name</u>			
		BN	Beeper Number			
		CP	Cellular Phone			
		EM	Electronic Mail			
		EX	Telephone Extension			
		FX	Facsimile			
		TE	Telephone			
PER06	364	<b>Communication Number</b>	C	AN	1/80	Used
<b>Description:</b> Complete communications number including country or area code when applicable						
PER07	365	<b>Communication Number Qualifier</b>	C	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
<b>User Note 1:</b> Refer to code list specified in 'PER03' for usage.						
		<u>Code</u>	<u>Name</u>			
		BN	Beeper Number			
		CP	Cellular Phone			

EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
TE	Telephone

PER08	364	<b>Communication Number</b>	C	AN	1/80	Used
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**Description:** Complete communications number including country or area code when applicable

### Syntax Rules:

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



# Loop Baseline Item Data

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

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

**Purpose:** To specify basic and most frequently used line item data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	PO1	Baseline Item Data	O	1		Must use
020	CUR	Currency	O	1		Not recommended
040	CTP	Pricing Information	O	>1		Used
050		Loop PID	O		1000	Used
090	PO4	Item Physical Details	O	>1		Used
100	REF	Reference Identification	O	>1		Used
130		Loop SAC	O		25	Used
270		Loop ACK	O		104	Must use
310		Loop SCH	O		200	Used

## User Note 1:

*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 (Standard Code List\_235) as 'GC'. (See 'GC code' in Standard Code List\_235 under PO106 for example)*

*Acceptable values for the product or service ID qualifier (PO107 for example) are listed within the 'GC' code value provided in Standard Code List\_235*

# PO1 Baseline Item Data

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: PO1</b>	<b>Elements: 25</b>

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

**Purpose:** To specify basic and most frequently used line item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	<b>Assigned Identification</b>	O	AN	1/20	Recommended
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	<b>Quantity Ordered</b>	C	R	1/9	Must use
		<b>Description:</b> Quantity ordered				
PO103	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>	<u>Name</u>			
		CA	Case			
		CT	Carton			
		EA	Each			
		ST	Set			
		UN	Unit			
PO104	212	<b>Unit Price</b>	C	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
PO105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type of unit price for an item				
		<b>User Note 1:</b> <i>Standard Book Industry definitions should be applied to this element.</i>				
		<u>Code</u>	<u>Name</u>			
		CA	Catalog			
		CT	Contract			
		NC	No Charge			
		NT	Net			
		PE	Price per Each			
		PR	Promotion			
		SR	Retail/List/Suggested Selling Price			
PO106	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		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)			

		ISBN-13				
GC		Grade Code				
		<b>User Note 1:</b>				
		<i>When using a qualifier value of GC then data element 234 should be one of the following values:</i>				
		<i>00 - General Condition New or Used</i>				
		<i>01 - New Condition Only</i>				
		<i>02 - Used, Good Condition Only</i>				
		<i>03 - Used, Poor Condition</i>				
		<i>04 - Used, Any Condition</i>				
		<i>05 - No Marked Complimentary Copies</i>				
IA		Information Media Type				
IB		International Standard Book Number (ISBN)				
		<b>User Note 1:</b>				
		ISBN-10				
RY		Record Keeping or Model Year				
		<b>User Note 1:</b>				
		BISAC Note: Year of publication				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		<b>User Note 1:</b>				
		UCC/EAN-14				
		<i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
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)						
		Code	Name			
		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)			
		<b>User Note 1:</b>				
		ISBN-13				

GC	Grade Code	<b>User Note 1:</b> 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)	<b>User Note 1:</b> ISBN-10					
RY	Record Keeping or Model Year	<b>User Note 1:</b> BISAC Note: Year of publication					
SJ	Religious Retail Non-book Item						
SK	Stock Keeping Unit (SKU)						
SL	Seller's Lot Number						
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)	<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit					
UP	U.P.C. Consumer Package Code (1-5-5-1)						
VE	Vendor Color						
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)					
		Code	Name				
		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)				
		<b>User Note 1:</b> ISBN-13					
GC	Grade Code	<b>User Note 1:</b>					

*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)  
**User Note 1:**  
*ISBN-10*

RY Record Keeping or Model Year  
**User Note 1:**  
*BISAC Note: Year of publication*

SJ Religious Retail Non-book Item  
 SK Stock Keeping Unit (SKU)  
 SL Seller's Lot Number  
 UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

**User Note 1:**

*UCC/EAN-14*

*A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit*

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

PO111	234	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

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

**Code**

**Name**

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)

**User Note 1:**

*ISBN-13*

GC Grade Code

**User Note 1:**

*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)				
		<b>User Note 1:</b> ISBN-10				
RY		Record Keeping or Model Year				
		<b>User Note 1:</b> BISAC Note: Year of publication				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
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)						
		Code	Name			
		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)			
		<b>User Note 1:</b> ISBN-13				
GC		Grade Code				
		<b>User Note 1:</b> 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)					
		<b>User Note 1:</b> ISBN-10					
RY		Record Keeping or Model Year					
		<b>User Note 1:</b> BISAC Note: Year of publication					
SJ		Religious Retail Non-book Item					
SK		Stock Keeping Unit (SKU)					
SL		Seller's Lot Number					
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
		<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit					
UP		U.P.C. Consumer Package Code (1-5-5-1)					
VE		Vendor Color					
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)							
		Code	Name				
		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)				
		<b>User Note 1:</b> ISBN-13					
GC		Grade Code					
		<b>User Note 1:</b> 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)				
		User Note 1: ISBN-10				
RY		Record Keeping or Model Year				
		User Note 1: BISAC Note: Year of publication				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		User Note 1: UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
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)						
		Code	Name			
		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)			
		User Note 1: ISBN-13				
GC		Grade Code				
		User Note 1: 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)					
	<b>User Note 1:</b> <i>ISBN-10</i>					
RY	Record Keeping or Model Year					
	<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>					
SJ	Religious Retail Non-book Item					
SK	Stock Keeping Unit (SKU)					
SL	Seller's Lot Number					
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
	<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>					
UP	U.P.C. Consumer Package Code (1-5-5-1)					
VE	Vendor Color					
VN	Vendor's (Seller's) Item Number					
PO119	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
PO120	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		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)			
			<b>User Note 1:</b> <i>ISBN-13</i>			
		GC	Grade Code			
			<b>User Note 1:</b> <i>When using a qualifier value of GC then data element 234 should be one of the following values:</i> <i>00 - General Condition New or Used</i> <i>01 - New Condition Only</i> <i>02 - Used, Good Condition Only</i> <i>03 - Used, Poor Condition</i> <i>04 - Used, Any Condition</i> <i>05 - No Marked Complimentary Copies</i>			
IA	Information Media Type					
IB	International Standard Book Number (ISBN)					

							<b>User Note 1:</b> <i>ISBN-10</i>
		RY	Record Keeping or Model Year				
			<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>				
		SJ	Religious Retail Non-book Item				
		SK	Stock Keeping Unit (SKU)				
		SL	Seller's Lot Number				
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
			<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>				
		UP	U.P.C. Consumer Package Code (1-5-5-1)				
		VE	Vendor Color				
		VN	Vendor's (Seller's) Item Number				
PO121	234	<b>Product/Service ID</b>	C	AN	1/40	Used	
		<b>Description:</b> Identifying number for a product or service					
PO122	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used	
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		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)				
			<b>User Note 1:</b> <i>ISBN-13</i>				
		GC	Grade Code				
			<b>User Note 1:</b> <i>When using a qualifier value of GC then data element 234 should be one of the following values:</i> <i>00 - General Condition New or Used</i> <i>01 - New Condition Only</i> <i>02 - Used, Good Condition Only</i> <i>03 - Used, Poor Condition</i> <i>04 - Used, Any Condition</i> <i>05 - No Marked Complimentary Copies</i>				
		IA	Information Media Type				
		IB	International Standard Book Number (ISBN)				
			<b>User Note 1:</b>				

		ISBN-10				
	RY	Record Keeping or Model Year				
		User Note 1:				
		BISAC Note: Year of publication				
	SJ	Religious Retail Non-book Item				
	SK	Stock Keeping Unit (SKU)				
	SL	Seller's Lot Number				
	UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		User Note 1:				
		UCC/EAN-14				
		A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
	UP	U.P.C. Consumer Package Code (1-5-5-1)				
	VE	Vendor Color				
	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)						
		Code	Name			
		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)			
		User Note 1:				
		ISBN-13				
	GC	Grade Code				
		User Note 1:				
		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)				
		User Note 1:				
		ISBN-10				

RY Record Keeping or Model Year

**User Note 1:**

*BISAC Note: Year of publication*

SJ Religious Retail Non-book Item

SK Stock Keeping Unit (SKU)

SL Seller's Lot Number

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

**User Note 1:**

*UCC/EAN-14*

*A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit*

UP U.P.C. Consumer Package Code (1-5-5-1)

VE Vendor Color

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:**

*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 (Standard Code List\_235) as 'GC'. (See 'GC code' in Standard Code List\_235 under PO106 for example)*

*Acceptable values for the product or service ID qualifier (PO107 for example) are listed within the 'GC' code value provided in Standard Code List\_235*

# CUR Currency

<b>Pos: 020</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: PO1</b>	<b>Elements: 2</b>

**User Option (Usage):** Not recommended

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
		<u>Code</u>		<u>Name</u>		
		BY		Buying Party (Purchaser)		
		SE		Selling Party		
CUR02	100	Currency Code	M	ID	3/3	Must use
<b>Description:</b> 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.

# CTP Pricing Information

Pos: 040	Max: >1
Detail - Optional	
Loop: PO1	Elements: 6

**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

CTP03	212	Unit Price	O	R	1/17	Used
-------	-----	------------	---	---	------	------

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

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

**Description:** Numeric value of quantity

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

**Description:** To identify a composite unit of measure

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

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

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.

# Loop Product/Item Description

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

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	PID	Product/Item Description	O	1		Used

## User Note 1:

*This segment is primarily used by the library community.*



# PID Product/Item Description

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

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Must use
		<b>Description:</b> Code indicating the format of a description				
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
		S		Structured (From Industry Code List)		
PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the general class of a product or process characteristic				
		<u>Code</u>		<u>Name</u>		
		08		Product		
PID03	559	<b>Agency Qualifier Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the agency assigning the code values				
		<u>Code</u>		<u>Name</u>		
		BI		Book Industry Systems Advisory Committee		
PID04	751	<b>Product Description Code</b>	C	AN	1/12	Used
		<b>Description:</b> A code from an industry code list which provides specific data about a product characteristic				
		<u>Code</u>		<u>Name</u>		
		A1		Author (1st 80 characters)		
		B1		Volume Set		
		B3		Edition code		
		B4		Binding code (physical features)		
		B5		Title code		
		B7		Publisher code		
		P1		Publisher (1st 80 characters)		
		P2		Publisher (81-161 characters)		
		A2		Author (81-160 characters)		
		B6		Author code		
		T1		Title (1st 80 characters)		
		T2		Title (81-161 characters)		
		T3		Title (161-240 characters)		
PID05	352	<b>Description</b>	C	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
		<b>User Note 1:</b> <i>This element provides the description for 'PID04'.</i>				

## 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.*

# PO4 Item Physical Details

Pos: 090	Max: >1
Detail - Optional	
Loop: PO1	Elements: 13

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
PO401	356	Pack	O	N0	1/6	Used												
Description: Number of inner pack units per outer pack unit																		
User Note 1: Carton Quantity																		
PO402	357	Size	C	R	1/8	Used												
Description: Size of supplier units in pack																		
PO403	355	Unit or Basis for Measurement Code	C	ID	2/2	Used												
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken																		
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CM</td><td>Centimeter</td></tr><tr><td>IN</td><td>Inch</td></tr><tr><td>KG</td><td>Kilogram</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>OZ</td><td>Ounce - Av</td></tr></table>							<u>Code</u>	<u>Name</u>	CM	Centimeter	IN	Inch	KG	Kilogram	LB	Pound	OZ	Ounce - Av
<u>Code</u>	<u>Name</u>																	
CM	Centimeter																	
IN	Inch																	
KG	Kilogram																	
LB	Pound																	
OZ	Ounce - Av																	
PO404	103	Packaging Code	C	AN	3/5	Used												
Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material																		
User Note 1: This is a change from 4010 where the code identifying the type of packaging was made up of two distinct parts, in 5030 these are codified as 2 distinct code lists Part 1: Standard Code list 103-1 Packaging Form and Part 2: Standard Code list 103-2 Packaging Material																		
4010 Example: CTN25 Carton, corrugated or solid CTN71 Carton, not otherwise specified (Other data values as mutually agreed upon by trading partners.) ENV71 Envelope, Not otherwise specified																		
5030 Example: Standard Code list 103-1 CTN Carton ENV Envelope																		
Standard Code list 103-2 25 Corrugated or solid 71 Not otherwise specified																		
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CTN</td><td>Carton</td></tr><tr><td>ENV</td><td>Envelope</td></tr></table>							<u>Code</u>	<u>Name</u>	CTN	Carton	ENV	Envelope						
<u>Code</u>	<u>Name</u>																	
CTN	Carton																	
ENV	Envelope																	
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>25</td><td>Corrugated or Solid</td></tr><tr><td>71</td><td>Not Otherwise Specified</td></tr></table>							<u>Code</u>	<u>Name</u>	25	Corrugated or Solid	71	Not Otherwise Specified						
<u>Code</u>	<u>Name</u>																	
25	Corrugated or Solid																	
71	Not Otherwise Specified																	
PO405	187	Weight Qualifier	O	ID	1/2	Used												

**Description:** Code defining the type of weight

<u>Code</u>	<u>Name</u>
G	Gross Weight

PO406	384	<b>Gross Weight per Pack</b>	C	R	1/9	Used
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**Description:** Numeric value of gross weight per pack

PO407	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Code</u>	<u>Name</u>
KG	Kilogram
LB	Pound

PO408	385	<b>Gross Volume per Pack</b>	C	R	1/9	Used
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**Description:** Numeric value of gross volume per pack

PO409	355	<b>Unit or Basis for Measurement Code</b>	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

<u>Code</u>	<u>Name</u>
KG	Kilogram
LB	Pound
UN	Unit

PO410	82	<b>Length</b>	C	R	1/8	Used
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**Description:** Largest horizontal dimension of an object measured when the object is in the upright position

PO411	189	<b>Width</b>	C	R	1/8	Used
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**Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412	65	<b>Height</b>	C	R	1/8	Used
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**Description:** Vertical dimension of an object measured when the object is in the upright position

PO413	355	<b>Unit or Basis for Measurement Code</b>	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

<u>Code</u>	<u>Name</u>
CM	Centimeter
IN	Inch

### Syntax Rules:

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

**Semantics:**

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

**Comments:**

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

# REF Reference Identification

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

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

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

**Description:** Code Qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
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

REF02	127	Reference Identification	C	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## Syntax Rules:

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

## Semantics:

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

## Loop Service, Promotion, Allowance, or Charge Information

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

**User Option (Usage):** Used

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

### Loop Summary:

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

# SAC Service, Promotion, Allowance, or Charge Information

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
		N		No Allowance or Charge		
		P		Promotion		
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	C	ID	4/4	Used
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
		<u>Code</u>		<u>Name</u>		
		A990		Cataloging Services		
		B210		Co-op Credit		
		E170		Labeling		
		F800		Promotional Allowance		
SAC05	610	<b>Amount</b>	O	N2	1/15	Used
<b>Description:</b> Monetary amount						
SAC08	118	<b>Rate</b>	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC09	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
		UN		Unit		
SAC10	380	<b>Quantity</b>	C	R	1/15	Used
<b>Description:</b> 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.

# Loop Line Item Acknowledgment

Pos: 270	Repeat: 104
Optional	
Loop: ACK	Elements: N/A

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

**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
270	ACK	Line Item Acknowledgment	O	1		Must use
280	DTM	Date/Time Reference	O	1		Used

# ACK Line Item Acknowledgment

<b>Pos:</b> 270	<b>Max:</b> 1
<b>Detail - Optional</b>	
<b>Loop:</b> ACK	<b>Elements:</b> 29

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

**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ACK01	668	<b>Line Item Status Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the action taken by the seller on a line item requested by the buyer						
		<u>Code</u>	<u>Name</u>			
		IA	Item Accepted			
		IQ	Item Accepted - Quantity Changed			
		IR	Item Rejected			
ACK02	380	<b>Quantity</b>	C	R	1/15	Used
<b>Description:</b> Numeric value of quantity						
ACK03	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<u>Code</u>	<u>Name</u>			
		EA	Each			
		ST	Set			
		UN	Unit			
ACK04	374	<b>Date/Time Qualifier</b>	O	ID	3/3	Used
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		018	Available/Constructive Placement			
		067	Current Schedule Delivery			
		068	Current Schedule Ship			
		100	No Shipping Schedule Established as of			
		169	Product Availability Date			
		175	Cancel if not shipped by			
ACK05	373	<b>Date</b>	C	DT	6/6	Used
<b>Description:</b> Date (YYMMDD)						
ACK06	326	<b>Request Reference Number</b>	O	AN	1/45	Used
<b>Description:</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)						
ACK07	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
		<u>Code</u>	<u>Name</u>			
		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)				
	<b>User Note 1:</b> <i>ISBN-13</i>				
GC	Grade Code				
	<b>User Note 1:</b> <i>When using a qualifier value of GC then data element 234 should be one of the following values:</i> <i>00 - General Condition New or Used</i> <i>01 - New Condition Only</i> <i>02 - Used, Good Condition Only</i> <i>03 - Used, Poor Condition</i> <i>04 - Used, Any Condition</i> <i>05 - No Marked Complimentary Copies</i>				
IA	Information Media Type				
IB	International Standard Book Number (ISBN)				
	<b>User Note 1:</b> <i>ISBN-10</i>				
RY	Record Keeping or Model Year				
	<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>				
SJ	Religious Retail Non-book Item				
SK	Stock Keeping Unit (SKU)				
SL	Seller's Lot Number				
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
	<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>				
UP	U.P.C. Consumer Package Code (1-5-5-1)				
VE	Vendor Color				
VN	Vendor's (Seller's) Item Number				
<b>Product/Service ID</b>					
C	AN	1/40	Used		
<b>Description:</b> Identifying number for a product or service					
<b>Product/Service ID Qualifier</b>		C	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
<b><u>Code</u></b>	<b><u>Name</u></b>				
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)					
	<b>User Note 1:</b> <i>ISBN-13</i>					
GC	Grade Code					
	<b>User Note 1:</b> <i>When using a qualifier value of GC then data element 234 should be one of the following values:</i> <i>00 - General Condition New or Used</i> <i>01 - New Condition Only</i> <i>02 - Used, Good Condition Only</i> <i>03 - Used, Poor Condition</i> <i>04 - Used, Any Condition</i> <i>05 - No Marked Complimentary Copies</i>					
IA	Information Media Type					
IB	International Standard Book Number (ISBN)					
	<b>User Note 1:</b> <i>ISBN-10</i>					
RY	Record Keeping or Model Year					
	<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>					
SJ	Religious Retail Non-book Item					
SK	Stock Keeping Unit (SKU)					
SL	Seller's Lot Number					
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
	<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>					
UP	U.P.C. Consumer Package Code (1-5-5-1)					
VE	Vendor Color					
VN	Vendor's (Seller's) Item Number					
ACK10	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
ACK11	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		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)	<b>User Note 1:</b> ISBN-13				
GC	Grade Code	<b>User Note 1:</b> 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)	<b>User Note 1:</b> ISBN-10				
RY	Record Keeping or Model Year	<b>User Note 1:</b> BISAC Note: Year of publication				
SJ	Religious Retail Non-book Item					
SK	Stock Keeping Unit (SKU)					
SL	Seller's Lot Number					
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)	<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
UP	U.P.C. Consumer Package Code (1-5-5-1)					
VE	Vendor Color					
VN	Vendor's (Seller's) Item Number					
ACK12	234	Product/Service ID	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
ACK13	235	Product/Service ID Qualifier	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		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)	<b>User Note 1:</b>				

		ISBN-13					
GC		Grade Code					
		<b>User Note 1:</b>					
		<i>When using a qualifier value of GC then data element 234 should be one of the following values:</i>					
		<i>00 - General Condition New or Used</i>					
		<i>01 - New Condition Only</i>					
		<i>02 - Used, Good Condition Only</i>					
		<i>03 - Used, Poor Condition</i>					
		<i>04 - Used, Any Condition</i>					
		<i>05 - No Marked Complimentary Copies</i>					
IA		Information Media Type					
IB		International Standard Book Number (ISBN)					
		<b>User Note 1:</b>					
		ISBN-10					
RY		Record Keeping or Model Year					
		<b>User Note 1:</b>					
		BISAC Note: Year of publication					
SJ		Religious Retail Non-book Item					
SK		Stock Keeping Unit (SKU)					
SL		Seller's Lot Number					
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
		<b>User Note 1:</b>					
		UCC/EAN-14					
		<i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>					
UP		U.P.C. Consumer Package Code (1-5-5-1)					
VE		Vendor Color					
VN		Vendor's (Seller's) Item Number					
ACK14	234	Product/Service ID	C	AN	1/40	Used	
Description: Identifying number for a product or service							
ACK15	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				
		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)				
		<b>User Note 1:</b>					
		ISBN-13					

GC	Grade Code	<b>User Note 1:</b> <i>When using a qualifier value of GC then data element 234 should be one of the following values:</i> <i>00 - General Condition New or Used</i> <i>01 - New Condition Only</i> <i>02 - Used, Good Condition Only</i> <i>03 - Used, Poor Condition</i> <i>04 - Used, Any Condition</i> <i>05 - No Marked Complimentary Copies</i>				
IA	Information Media Type					
IB	International Standard Book Number (ISBN)	<b>User Note 1:</b> <i>ISBN-10</i>				
RY	Record Keeping or Model Year	<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>				
SJ	Religious Retail Non-book Item					
SK	Stock Keeping Unit (SKU)					
SL	Seller's Lot Number					
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)	<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>				
UP	U.P.C. Consumer Package Code (1-5-5-1)					
VE	Vendor Color					
VN	Vendor's (Seller's) Item Number					
ACK16	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
ACK17	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		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)			
		<b>User Note 1:</b> <i>ISBN-13</i>				
GC	Grade Code	<b>User Note 1:</b>				



*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)  
**User Note 1:**  
*ISBN-10*

RY Record Keeping or Model Year  
**User Note 1:**  
*BISAC Note: Year of publication*

SJ Religious Retail Non-book Item  
 SK Stock Keeping Unit (SKU)  
 SL Seller's Lot Number  
 UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

**User Note 1:**

*UCC/EAN-14*

*A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit*

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

ACK18	234	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

ACK19	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**Code**

**Name**

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)

**User Note 1:**

*ISBN-13*

GC Grade Code

**User Note 1:**

*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)				
		<b>User Note 1:</b> ISBN-10				
RY		Record Keeping or Model Year				
		<b>User Note 1:</b> BISAC Note: Year of publication				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
VN		Vendor's (Seller's) Item Number				
ACK20	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
ACK21	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			
		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)			
		<b>User Note 1:</b> ISBN-13				
GC		Grade Code				
		<b>User Note 1:</b> 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)					
		<b>User Note 1:</b> ISBN-10					
RY		Record Keeping or Model Year					
		<b>User Note 1:</b> BISAC Note: Year of publication					
SJ		Religious Retail Non-book Item					
SK		Stock Keeping Unit (SKU)					
SL		Seller's Lot Number					
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
		<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit					
UP		U.P.C. Consumer Package Code (1-5-5-1)					
VE		Vendor Color					
VN		Vendor's (Seller's) Item Number					
ACK22	234	Product/Service ID	C	AN	1/40	Used	
Description: Identifying number for a product or service							
ACK23	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				
		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)				
		<b>User Note 1:</b> ISBN-13					
GC		Grade Code					
		<b>User Note 1:</b> 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)				
		<b>User Note 1:</b> ISBN-10				
RY		Record Keeping or Model Year				
		<b>User Note 1:</b> BISAC Note: Year of publication				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		<b>User Note 1:</b> UCC/EAN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
VN		Vendor's (Seller's) Item Number				
ACK24	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
ACK25	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			
		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)			
		<b>User Note 1:</b> ISBN-13				
GC		Grade Code				
		<b>User Note 1:</b> 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)				
		<b>User Note 1:</b> <i>ISBN-10</i>				
RY		Record Keeping or Model Year				
		<b>User Note 1:</b> <i>BISAC Note: Year of publication</i>				
SJ		Religious Retail Non-book Item				
SK		Stock Keeping Unit (SKU)				
SL		Seller's Lot Number				
UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		<b>User Note 1:</b> <i>UCC/EAN-14</i> <i>A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit</i>				
UP		U.P.C. Consumer Package Code (1-5-5-1)				
VE		Vendor Color				
VN		Vendor's (Seller's) Item Number				
ACK26	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
ACK27	559	<b>Agency Qualifier Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the agency assigning the code values				
		<b><u>Code</u></b> <b><u>Name</u></b>				
		BI      Book Industry Systems Advisory Committee				
ACK28	822	<b>Source Sub-qualifier</b>	C	AN	1/15	Used
		<b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier				
ACK29	1271	<b>Industry Code</b>	C	AN	1/30	Used
		<b>Description:</b> Code indicating a code from a specific industry code list				
		<b><u>Code</u></b> <b><u>Name</u></b>				
		AC      Item Accepted and Shipping (Shipping)				
		AH      Available for Shipping - Credit Hold (Not Shipped)				
		AN      Available: Shipping - new edition/ISBN (Shipping)				
		AO      Available: Shipping From Other Location				
		AR      Item Accepted: Released for shipment (Shipping)				
		AS      Available: Shipping - same ISBN (Shipping)				
		AX      Available : Shipping - free book (Shipping)				
		BA      Backordered: Not yet available (Not Shipped)				
		BB      Backordered: Reprint under consideration (Not Shipped)				
		BC      Backordered: Current edition not available - to be replaced with...(Not Shipped)				
		BD      Backordered: Delay in publication (Not Shipped)				
		BH      Backordered: On hold (Not Shipped)				
		BI      Backordered: To be reissued (Not Shipped)				
		BN      Backordered: Inventory in progress; closed for stocktaking (Not Shipped)				

BO	Backordered: At customer's request (Not Shipped)
BP	Item Accepted: partial shipment; balance backordered (Shipping)
BR	Backordered: To be Reprinted (Not Shipped)
BW	Backordered: Waiting for catalog/processing (Not Shipped)
BX	Backordered: Not yet published (Not Shipped)
CA	Cancelled: Not yet available (Not Shipped)
CB	Cancelled: Not our publication (Not Shipped)
CC	Cancelled - Customer Request (Not Shipped)
CD	Cancelled: Delay in publication (Not Shipped)
CE	Cancelled: Order partially filled and shipped;
CF	Cancelled: Current edition not available (Not Shipped)
CG	Cancelled: No geographic rights, e.g. Canadian (Not Shipped)
CH	Cancelled: Rights no longer ours (Not Shipped)
CI	Cancelled: To be reissued (Not Shipped)
CJ	Cancelled: Out of print in cloth; available in paper - reorder (Not Shipped)
CL	Cancelled: Out of print in paper; available in cloth - reorder (Not Shipped)
CM	Item accepted: shipment complete with additional quantity
CN	Cancelled: Inventory in progress; closed for stocktaking (Not Shipped)
CO	Cancelled: Out of stock (Not Shipped)
CP	Cancelled: Price Variance Exceeded (Not Shipped)
CR	Cancelled: To be Reprinted (Not Shipped)
CT	Cancelled: Publisher did not respond by your cancellation date (Not Shipped)
CU	Cancelled: Kits not available (Not Shipped)
CV	Cancelled: Complete set volume must be purchased (Not Shipped)
CW	Cancelled: Apply direct; not available through wholesale channels (Not Shipped)
CX	Cancelled: Never published (Not Shipped)
CY	Cancelled: Not available as a processed book (Not Shipped)
IA	Item Accepted (Shipping)
IB	Item Backordered (Not Shipped)
IG	Item Forwarded to Proper Source/Publisher
IP	Item accepted: Price changed (Shipping)
IR	Item rejected (Not Shipped)
IS	Item accepted: Substitution made (Shipping)
KC	Cancelled: Reprint under consideration (Not Shipped)
KH	Cancelled: Credit Hold (Not Shipped)
KK	Cancelled: ISBN incorrect/unknown (Not Shipped)
KM	Cancelled: Market for this title is restricted (Not Shipped)
KP	Cancelled: Out of print (Not Shipped)
KR	Cancelled: Title Remaindered (Not Shipped)
KS	Cancelled: book sold by subscription only (Not Shipped)
MB	Managed Title Backordered (Not Shipped)
MC	Managed Title Cancelled (Not Shipped)
OP	Out of print (Not Shipped)
WI	Billed & Shipped Separately - Non-Returnable
CQ	Cancelled: Did not meet minimum order requirements

### Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.

8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

**Semantics:**

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

# DTM Date/Time Reference

Pos: 280	Max: 1
Detail - Optional	
Loop: ACK	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>		<u>Name</u>		
		018		Available/Constructive Placement		
		175		Cancel if not shipped by		
DTM02	373	Date	C	DT	8/8	Must use
<b>Description:</b> Date specified 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.



# Loop Line Item Schedule

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

**User Option (Usage):** Used

**Purpose:** To specify the data for scheduling a specific line-item

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
310	SCH	Line Item Schedule	O	1		Used

# SCH Line Item Schedule

<b>Pos: 310</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: SCH</b>	<b>Elements: 7</b>

**User Option (Usage):** Used

**Purpose:** To specify the data for scheduling a specific line-item

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SCH01	380	<b>Quantity</b>	M	R	1/15	Must use
<b>Description:</b> Numeric value of quantity						
<b>User Note 1:</b> <i>Shippable quantity from PO1</i>						
SCH02	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
		ST		Set		
		UN		Unit		
SCH03	98	<b>Entity Identifier Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
		<u>Code</u>		<u>Name</u>		
		DC		Destination Carrier		
		SF		Ship From		
		SP		Party filling Shipper's Order		
		WH		Warehouse		
SCH04	93	<b>Name</b>	C	AN	1/35	Used
<b>Description:</b> Free-form name						
SCH05	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>		<u>Name</u>		
		018		Available/Constructive Placement		
		067		Current Schedule Delivery		
		068		Current Schedule Ship		
		080		Scheduled for Shipment (After and Including)		
		100		No Shipping Schedule Established as of		
		169		Product Availability Date		
		175		Cancel if not shipped by		
SCH06	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
SCH11	326	<b>Request Reference Number</b>	O	AN	1/45	Used
<b>Description:</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)						
<b>User Note 1:</b> <i>When ACK status code is 'Not our Publication', use this field for reference.</i>						

## Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. L080910 - If SCH08 is present, then at least one of SCH09 or SCH10 is required.

3. C0908 - If SCH09 is present, then SCH08 is required.
4. C1008 - If SCH10 is present, then SCH08 is required.

**Semantics:**

1. SCH12 is the schedule identification.

**Comments:**

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

# 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		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:

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

**Description:** Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
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**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:

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

## Comments:

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