855 Purchase Order Acknowledgment

Functional Group=PR

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.

Notes:

Initial This Pubnet 855 standard, version 3060 is a subset of the full BISAC 855 standard, May 1999 – 3060, version 2
2/010   PO102 is required.
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).
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.

Change Log:

1. October 2006: Add values related to ISBN-13 to data elements.
2. May 2007: corrections.
3. April 2020 (Beth Bauman): Add back missing notes, descriptions, comments, semantics from the BISAC 3060 standards plus helpful notes from Booknet Canada standards.
4. May 2020 (Beth Bauman): Add missing Product ID Qualifiers "SK," "UP," "SR" and "RR" to PO1 segment. Clarifications on ACK and SCH segments.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Required
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Required
040	CUR	Currency	O	1			Used
150	DTM	Date/Time Reference	O	10			Used
LOOP ID - N1					**200**		
300	N1	Name	O	1			Required
310	N2	Additional Name Information	O	2			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**		
010	PO1	Baseline Item Data	O	1		N2/010	Required
040	CTP	Pricing Information	O	>1			Used
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Used
LOOP ID - ACK					**104**		
270	ACK	Line Item Acknowledgment	O	1			Required

LOOP ID - SCH					200		
310	SCH	Line Item Schedule	O	1		N2/310	Used

Summary:

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

ST   Transaction Set Header

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

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

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 855 selects the Purchase Order Acknowledgement Transaction Set).

Element Summary:

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

Description: Code uniquely identifying a Transaction Set

Code	Name
855	X12.9 Purchase Order Acknowledgment

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

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

BAK Beginning Segment for Purchase Order Acknowledgment

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

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

Semantics:
1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK09 is the date assigned by the sender to the acknowledgment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	**Transaction Set Purpose Code**	M	ID	2/2	Required
		Description: Code identifying purpose of transaction set				

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK02	587	**Acknowledgment Type**	M	ID	2/2	Required
		Description: Code specifying the type of acknowledgment				

Code	Name
AD	Acknowledge - With Detail,No Change

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK03	324	**Purchase Order Number**	M	AN	1/22	Required
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BAK04	373	**Date**	M	DT	6/6	Required
		Description: Date (YYMMDD)				
BAK05	328	**Release Number**	O	AN	1/30	Used
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
BAK06	326	**Request Reference Number**	O	AN	1/45	Used
		Description: 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
		Description: Contract number				
BAK09	373	**Date**	O	DT	6/6	Required
		Description: Date (YYMMDD)				

CUR Currency

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

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

Element Summary:

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

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

Code	Name
BT	Bill-to-Party
VN	Vendor

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

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

USD - U.S. Dollar
CAD - Canadian Dollar

DTM   **Date/Time Reference**

To specify pertinent dates and times

Syntax:
R020306 -- DTM02 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**	**Required**
		Description: Code specifying type of date or time, or both date and time				

	Code	**Name**
	001	Cancel After

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	**373**	**Date**	**C**	**DT**	**6/6**	**Required**
		Description: Date (YYMMDD)				
DTM05	**624**	**Century**	**O**	**N0**	**2/2**	**Required**
		Description: The first two characters in the designation of the year (CCYY)				

N1   Name

Pos: 300   **Max: 1**
Heading - Optional
Loop: N1   Elements: 4

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

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

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this
    efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
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Element Summary:

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

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

	Code	Name
	BT	Bill-to-Party
	ST	Ship To

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	**66**	**Identification Code Qualifier**	**C**	**ID**	**1/2**	**Rec'd**

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

	Code	Name
	15	Standard Address Number (SAN)

Description: Recommended by the book industry.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	**67**	**Identification Code**	**C**	**AN**	**2/20**	**Rec'd**

Description: Code identifying a party or other code

N2 Additional Name Information

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

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

Element Summary:

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

N3   Address Information

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

To specify the location of the named party

Element Summary:

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

N4 Geographic Location

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

To specify the geographic place of the named party

Comments:
1. N402 is required only if city name (N401) is in the U.S. or Canada.

Element Summary:

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

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 11

To specify basic and most frequently used line item data

Syntax:
C0302 -- If PO103 is present, then PO102 is required
C0504 -- If PO105 is present, then PO104 is required
P0607 -- If either PO106 or PO107 are present, then the others are required.
P0809 -- If either PO108 or PO109 are present, then the others are required.
P1011 -- If either PO110 or PO111 are present, then the others are required.

Comments:
1. PO101 is the line item identification.
2. PO106 through PO111 provide for three different product/service IDs per each item.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Rec'd
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	**Quantity Ordered**	C	R	1/9	Required
		Description: Quantity ordered				
PO103	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Required
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

	Code	Name
	UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	C	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
PO105	639	**Basis of Unit Price Code**	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				

	Code	Name
	NT	Net
		Description: Indicates a net unit price
	SR	Retail/List/Suggested Selling Price

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

	Code	Name
	IB	International Standard Book Number (ISBN)
	EN	(ISBN-13)
		Description: A 979 prefix will be used when all the 978 prefixes in a given block are assigned. This will effectively double the number of ISBN's available.

Ref	Id	Element Name	Req	Type	Min/Max	Usage

UK   UCC/EAN-14:
Description: Used when a leading digit is added to the ISBN-13 that specifies the packaging level (such as a carton). When the packaging level is greater than a unit (such as a carton), a new check digit must be calculated.

SK   Stock Keeping Unit (SKU) - Used for ordering non-book product

UP   Universal Product Code (UPC) Used for ordering non-book product

| **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**

IB   International Standard Book Number (ISBN)

EN   (ISBN-13)
Description: A 979 prefix will be used when all the 978 prefixes in a given block are assigned. This will effectively double the number of ISBN's available.

UK   UCC/EAN-14:
Description: Used when a leading digit is added to the ISBN-13 that specifies the packaging level (such as a carton). When the packaging level is greater than a unit (such as a carton), a new check digit must be calculated.

SK   Stock Keeping Unit (SKU) - Used for ordering non-book product

UP   Universal Product Code (UPC) Used for ordering non-book product

| **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**

IB   International Standard Book Number (ISBN)

EN   (ISBN-13)
Description: A 979 prefix will be used when all the 978 prefixes in a given block are assigned. This will effectively double the number of ISBN's available.

UK   UCC/EAN-14:
Description: Used when a leading digit is added to the ISBN-13 that specifies the packaging level (such as a carton). When the packaging level is greater than a unit (such as a carton), a new check digit must be calculated.

SK   Stock Keeping Unit (SKU) - Used for ordering non-book product

UP   Universal Product Code (UPC) Used for ordering non-book product

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

Description: Identifying number for a product or service

CTP   Pricing Information

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

To specify pricing information

Syntax:
1. CTP04 P0405 -- If either CTP04 or CTP05 are present, then the others are required.
2. CTP06 C0607 -- If CTP06 is present, then CTP07 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.

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
NET	Net Item Price
SLP	Retail/List/Suggested Selling Price

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	O	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
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(See Figures Appendix for examples of use)				
	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Required
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Code	Name
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP06	648	**Price Multiplier Qualifier**	O	ID	3/3	Used
		Description: Code indicating the type of price multiplier				

Code	Name
DIS	Discount Multiplier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP07	649	**Multiplier**	C	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				

PID   Product/Item Description

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

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

Syntax:
C0403 -- If PID04 is present, then PID03 is required
R0405 -- At least one of PID04 or PID05 is required.

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.

Comments:
1. If PID01 equals "F", then PID05 is used.

User:

This segment is primarily used by the library community.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	**349**	**Item Description Type**	**M**	**ID**	**1/1**	**Required**
		Description: Code indicating the format of a description				

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	**750**	**Product/Process Characteristic Code**	**O**	**ID**	**2/3**	**Used**
		Description: Code identifying the general class of a product or process characteristic				

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID03	**559**	**Agency Qualifier Code**	**C**	**ID**	**2/2**	**Used**
		Description: Code identifying the agency assigning the code values				

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID04	**751**	**Product Description Code**	**C**	**AN**	**1/12**	**Used**
		Description: A code from an industry code list which provides specific data about a product characteristic				

Code	Name
T1	Title (1st 80 characters)
T2	Title (81-161 characters)
T3	Title (161-240 characters)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	**352**	**Description**	**C**	**AN**	**1/80**	**Used**
		Description: A free-form description to clarify the related data elements and their content				

ACK   Line Item Acknowledgment

Pos: 270   Max: 1
Detail - Optional
Loop: ACK   Elements: 10

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

Syntax:
P0203 -- If either ACK02 or ACK03 are present, then the others are required.
C0405 -- If ACK04 is present, then ACK05 is required
P0708 -- If either ACK07 or ACK08 are present, then the others are required.
P0910 -- If either ACK09 or ACK10 are present, then the others are required.
P1112 -- If either ACK11 or ACK12 are present, then the others are required.
P2728 -- If either ACK27 or ACK28 are present, then the others are required.
C282729 -- If ACK28 is present, then ACK27 and ACK29 are required.

Semantics:
1. Unless quantity rounding program exists between trading partners. the sum of ACK02 quantities within a PO1 loop should equal the PO102 quantity and also, in the transaction set, the sum of all the ACK02s should equal the sum of the PO102s.
2. 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.

Comment:
This segment indicates the line item acknowledgement general status, quantity associated with status, ship date, possible change to ISBN and detailed status.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK01	668	Line Item Status Code	M	ID	2/2	Required

Description: Code specifying the action taken by the seller on a line item requested by the buyer. (ACK29 for detailed status)

	Code	Name
	IA	Item Accepted
	IQ	Item Accepted - Quantity Changed
	IR	Item Rejected

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK02	380	Quantity Acknowledged	C	R	1/15	Used

Description: Numeric value of quantity for the ACK29 status

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK03	355	Unit or Basis for Measurement Code	C	ID	2/2	Used

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

	Code	Name
	UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK04	374	Date/Time Qualifier	O	ID	3/3	Used

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

	Code	Name
	080	Scheduled for Shipment (After and Including)
	100	No Shipping Schedule Established as of

Description: This is the default if no scheduled shipment information is known at the time of acknowledgement.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK05	**373**	**Date**	**C**	**DT**	**6/6**	**Used**

Description: Date (YYMMDD)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK07	**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**
IB	International Standard Book Number (ISBN)
EN	(ISBN-13)

      Description: A 979 prefix will be used when all the 978 prefixes in a given block are assigned. This will effectively double the number of ISBN's available

UK	UCC/EAN-14:

      Description: Used when a leading digit is added to the ISBN-13 that specifies the packaging level (such as a carton). When the packaging level is greater than a unit (such as a carton), a new check digit must be calculated.

AI	Alternate ISBN
RR	Alternate EN (ISBN-13)
SR	Alternate UCC/EAN-14
SK	Stock Keeping Unit (SKU) - Used for ordering non-book product
UP	Universal Product Code (UPC) Used for ordering non-book product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK08	**234**	**Product/Service ID**	**C**	**AN**	**1/40**	**Used**

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK09	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**

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

User: Refer to code list specified in 'ACK07' for usage.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK10	**234**	**Product/Service ID**	**C**	**AN**	**1/40**	**Used**

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK11	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**

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

User: Refer to code list specified in 'ACK07' for usage.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK12	**234**	**Product/Service ID**	**C**	**AN**	**1/40**	**Used**

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK27	**259**	**Agency Qualifier Code**	**C**	**ID**	**2/2**	**Used**

Description: Code identifying the agency assigning the code values

Code	**Name**
BI	Maintained by Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK28	**822**	**Source Subqualifier**	**C**	**AN**	**1/15**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage

Description: A reference that indicates the table or text maintained by the Source Qualifier

Code	Name
ACK	BISAC Acknowledgement Code List

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK29	**1271**	**Industry Code**	C	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Code	Name
_	
AC	**Item accepted and shipped (Shipping)**
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)**
AV	**Inventory available for order (Available)**
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)**
BK	**Backordered: from previous order (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/proessing (Not Shipped)**
BX	**Backordered: Not yet published (Not Shipped)**
CA	**Cancelled: Not yet available (Not Shipped)**
CB	**Cancelled: Not our publication (Not Shipped)**
CD	**Cancelled: Delay in publication (Not Shipped)**
CE	**Cancelled: Order partially filled and shipped; Description: remainder of order cancelled (Shipping)**
CF	**Cancelled: Currend 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)**
CN	**Cancelled: Inventory in progress; closed for stocktaking (Not Shipped)**
CO	**Cancelled: Out of stock (Not Shipped)**
CQ	**Cancelled: Did not meet minimum order requirements Description: e.g., quantity or dollar value (Not Shipped)**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
	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)				
	DR	Item accepted: Date rescheduled (Shipping)				
	DS	Out of Stock				
	IA	Item Accepted (Shipping)				
	IB	Item Backordered (Not Shipped)				
	ID	Item Deleted (Not Shipped)				
	IE	Item accepted: Price pending (Shipping)				
	IF	Item on hold: Incomplete description (Not Shipped)				
	IG	Item Forwarded to Proper Source/Published				
	IH	Item on hold (Not Shipped)				
	IN	Item accepted: Forwarded to new supplier (Not Shipped)				
	IP	Item accepted: Price changed (Shipping)				
	IQ	Item accepted: Quantity changed (Shipping)				
	IR	Item rejected (Not Shipped)				
	IS	Item accepted: Substitution made (Shipping)				
	IW	Item on hold: Waiver required (Not Shipped)				
	KC	Cancelled: REprint under consideration (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)				
	NF	Not yet published (Not Shipped)				
	OP	Out of print (Not Shipped)				
	OR	Temporarily out of stock (Not Shipped)				
	PA	Partial shipment (Shipping)				
	SC	Shipment complete (Shipping)				
	SP	Item accepted: Schedule date pending (Shipping)				
	SS	Split Shipment (Shipping)				

SCH   Line Item Schedule

Pos: 310   Max: 1
Detail - Optional
Loop: SCH   Elements: 7

To specify the data for scheduling a specific line-item

Syntax:
1. SCH03 C0304 -- If SCH03 is present, then SCH04 is required

Comments:
1. The SCH segment will specify shipment origin and scheduling.
2. 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).
3. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH01	380	**Quantity**	M	R	1/15	Required
		Description: Numeric value of quantity				
SCH02	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Required
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Code	Name
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH03	98	**Entity Identifier Code**	O	ID	2/2	Used
		Description: Code identifying an organizational entity, a physical location, or an individual				

Code	Name
WH	Warehouse

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH04	93	**Name**	C	AN	1/35	Used
		Description: Free-form name				
SCH05	374	**Date/Time Qualifier**	M	ID	3/3	Required
		Description: Code specifying type of date or time, or both date and time				

Code	Name
068	Current Schedule Ship

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH06	373	**Date**	M	DT	6/6	Required
		Description: Date (YYMMDD)				
SCH11	326	**Request Reference Number**	O	AN	1/45	Used
		Description: 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)				

CTT   **Transaction Totals**

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

Comments:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	**354**	**Number of Line Items**	**M**	**N0**	**1/6**	**Required**
		Description: Total number of line items in the transaction set				
CTT02	**347**	**Hash Total**	**O**	**R**	**1/10**	**Used**
		Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.				

SE   Transaction Set Trailer

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

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

Comments:

1. SE is the last segment of each transaction set.
2. SE02 must match the ST control number (ST02)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	**96**	**Number of Included Segments**	**M**	**N0**	**1/10**	**Required**
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**	**Required**
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				