

# Indigo

## **Indigo Books & Music Inc. - Trade Books**

X12/V4010/855 : 855 Purchase Order Acknowledgment

**Version: 1 Final**

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# Table of Contents

<b>855</b>	<b>Purchase Order Acknowledgment</b>	<b>1</b>
ISA	Interchange Control Header	3
GS	Functional Group Header	5
ST	Transaction Set Header	7
BAK	Beginning Segment for Purchase Order Acknowledgment	8
CUR	Currency	10
N1	Loop Name	11
N1	Name	12
PO1	Loop Baseline Item Data	13
PO1	Baseline Item Data	14
CTP	Pricing Information	16
PID	Loop Product/Item Description	17
PID	Product/Item Description	18
ACK	Loop Line Item Acknowledgment	19
ACK	Line Item Acknowledgment	20
SCH	Loop Line Item Schedule	23
SCH	Line Item Schedule	24
CTT	Loop Transaction Totals	25
CTT	Transaction Totals	26
SE	Transaction Set Trailer	27

# 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.

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	M	1			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
300	N1	Name	M	1			Must use

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/010L</b>	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
040	CTP	Pricing Information	M	>1			Must use
<b>LOOP ID - PID</b>					<b>1000</b>		
050	PID	Product/Item Description	M	1			Must use
<b>LOOP ID - ACK</b>					<b>104</b>		
270	ACK	Line Item Acknowledgment	M	1			Must use
<b>LOOP ID - SCH</b>					<b>200</b>	<b>N2/310L</b>	
310	SCH	Line Item Schedule	O	1		N2/310	Used

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/010L</b>	
010	CTT	Transaction Totals	M	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.

## User Note 1:

### **General Usage:**

- *Used for Trade and VMI vendors.*
- *Indigo requires that a complete Purchase Order Acknowledgment (POA) be sent back for every EDI PO that has been sent.*  
*The original POA must be sent prior to sending a follow-up POA.*  
*Indigo will return a Functional Acknowledgement (FA) for every POA received.*
- *In the follow-up POA, acknowledgment of all lines in the PO is not required.*  
*The follow-up POA should ONLY reference those lines in a PO that have been updated.*
- *Indigo requires that the PO1 segment be the same as the corresponding segment sent in the original PO.*
- *Indigo requires that the supplier send as many ACK segments as required to fully describe the accompanying line item. For example if a line item were partially accepted and partially back-ordered then Indigo would expect an ACK segment for the accepted product and another for the back-ordered product. The total product in the ACK segments for a particular line item must equal the corresponding amount in the PO segment.*
- *Indigo accepts "IA" in the ACK segment for both accepted and back-ordered product and "IR" is to be used for cancelled product only.*
- *Indigo does not accept a POA after the ASN has been received whether it is a POA or a POA Follow-Up.*

## User Note 2:

### **Change History:**

#### **November 2020:**

*Remove BAK\_06, BAK\_08 and BAK\_09 elements*  
*Changed usage of PO106 and PO107 from Relational to Mandatory*  
*Changed usage of CTP02 and CTP03 from Relational to Mandatory*  
*Changed usage of PID Segment from Optional to Mandatory*

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control 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>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used. (Total Codes: 7)</b>						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used. (Total Codes: 2)</b>						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>User Note 1:</b>						
12 for Trade						
ZZ for VMI						
<b>Code List Summary</b> (Total Codes: 38, Included: 2)						
<b>Code Name</b>						
12 Phone (Telephone Companies)						
ZZ Mutually Defined						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<b>Description:</b> Identification code published by the receiver of the data; When sending, it is						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
		<b>User Note 1:</b>				
		4163644499 for Trade				
		VMIORDERS for VMI				
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		<b>All valid standard codes are used. (Total Codes: 1)</b>				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				
		<b>Code List Summary</b> (Total Codes: 14, Included: 1)				
		<b>Code Name</b>				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)				
		<b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<b>All valid standard codes are used. (Total Codes: 3)</b>				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

# GS Functional Group Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

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

**Purpose:** To indicate the beginning of a functional group and to provide control 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**Code List Summary** (Total Codes: 240, Included: 1)

**Code Name**

PR Purchase Order Acknowledgement (855)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

**User Note 1:**

4163644499 for Trade

VMIORDERS for VMI

GS04	373	<b>Date</b>	M	DT	8/8	Must use
------	-----	-------------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

**All valid standard codes are used. (Total Codes: 2)**

GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

**Code List Summary** (Total Codes: 39, Included: 1)**Code**   **Name**

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

**Semantics:**

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

**Comments:**

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.



# 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

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

**Code List Summary** (Total Codes: 298, Included: 1)

**Code Name**

855 Purchase Order Acknowledgment

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

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

# BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

**Description:** Code identifying purpose of transaction set

**Code List Summary** (Total Codes: 65, Included: 2)

Code	Name
00	Original
04	Change

BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
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**Description:** Code specifying the type of acknowledgment

**User Note 1:**

*BAK\_01 = 04 and BAK\_02 = AE are only used when sending a follow up PO Acknowledgment. (after the initial PO Acknowledgement)*

*Price and discount changes are sent in the follow up PO Acknowledgment only, no other changes are accepted.*

*The follow up PO Acknowledgment should only reference the line items that have been updated.*

*No changes are permitted in the follow up PO Acknowledgment for back orders or cancellations.*

*The Acknowledgment status codes must be the same as sent on the initial PO Acknowledgement.*

**Code List Summary** (Total Codes: 15, Included: 2)

Code	Name
AC	Acknowledge - With Detail and Change
AE	Acknowledge - With Exception Detail Only

BAK03	324	Purchase Order Number	M	AN	1/22	Must use
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**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

BAK04	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

**User Note 1:**

*CCYYMMDD format*

**Semantics:**

1. BAK04 is the date assigned by the purchaser to purchase order.

# CUR Currency

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

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

**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	2/3	Must use

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

**Code List Summary** (Total Codes: 1312, Included: 2)

**Code Name**

BY Buying Party (Purchaser)

SE Selling Party

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

**User Note 1:**

*CAD = Canada*

*USD = US*

*GBP = Great Britain Pound*

*EUR = European*

## Comments:

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

# Loop Name

Pos: 300	Repeat: 200
Mandatory	
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	M	1		Must use

# N1 Name

<b>Pos: 300</b>	<b>Max: 1</b>
<b>Heading - Mandatory</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	2/3	Must use

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

**User Note 1:**

*All 3 address groups are required*

**Code List Summary** (Total Codes: 1312, Included: 3)

**Code Name**

BT Bill-to-Party  
ST Ship To  
VN Vendor

N102	93	<b>Name</b>	O	AN	1/60	Used
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**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	M	ID	1/2	Must use
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**Code List Summary** (Total Codes: 215, Included: 1)

**Code Name**

15 Standard Address Number (SAN)

N104	67	<b>Identification Code</b>	M	AN	2/80	Must use
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**Description:** Code identifying a party or other code

## Syntax Rules:

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

## Comments:

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

# Loop Baseline Item Data

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

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	PO1	Baseline Item Data	M	1		Must use
040	CTP	Pricing Information	M	>1		Must use
050		Loop PID	M		1000	Must use
270		Loop ACK	M		104	Must use
310		Loop SCH	O		200	Used

# PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 9

**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>	M	AN	1/20	Must use
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	<b>Quantity Ordered</b>	M	R	1/15	Must use
		<b>Description:</b> Quantity ordered				
PO103	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				
		<b>Code List Summary</b> (Total Codes: 794, Included: 1)				
		<u>Code</u> <u>Name</u>				
		EA Each				
PO104	212	<b>Unit Price</b>	M	R	1/17	Must use
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
PO105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type of unit price for an item				
		<b>Code List Summary</b> (Total Codes: 91, Included: 1)				
		<u>Code</u> <u>Name</u>				
		NT Net				
PO106	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 477, Included: 4)				
		<u>Code</u> <u>Name</u>				
		EN European Article Number (EAN) (2-5-5-1)				
		IB International Standard Book Number (ISBN)				
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
PO107	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
PO108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 477, Included: 6)				



**Code Name**

EN European Article Number (EAN) (2-5-5-1)  
 IB International Standard Book Number (ISBN)  
 MG Manufacturer's Part Number  
 UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)  
 UP U.P.C. Consumer Package Code (1-5-5-1)  
 VN Vendor's (Seller's) Item Number

PO109 234 **Product/Service ID** X AN 1/48 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.

**Comments:**

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

# CTP Pricing Information

Pos: 040	Max: >1
Detail - Mandatory	
Loop: PO1	Elements: 4

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

**Purpose:** To specify pricing information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP02	236	Price Identifier Code	M	ID	3/3	Must use

**Description:** Code identifying pricing specification

**Code List Summary** (Total Codes: 164, Included: 1)

**Code Name**

SLP Suggested List Price

CTP03	212	Unit Price	M	R	1/17	Must use
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**Description:** Price per unit of product, service, commodity, etc.

CTP06	648	Price Multiplier Qualifier	O	ID	3/3	Used
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**Description:** Code indicating the type of price multiplier

**Code List Summary** (Total Codes: 6, Included: 1)

**Code Name**

DIS Discount Multiplier

CTP07	649	Multiplier	X	R	1/10	Used
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**Description:** Value to be used as a multiplier to obtain a new value

**User Note 1:**

*Multiplier of .8 indicates a 20% discount*

*Multiplier of .6 indicates a 40% discount*

## 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.

## 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.

## Comments:

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

## User Note 1:

*The CTP segment is used to specify the expected Retail Price in Canadian Dollars only.*

# Loop Product/Item Description

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

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

**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	M	1		Must use

# PID Product/Item Description

Pos: 050	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 2

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

**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	Item Description Type	M	ID	1/1	Must use

**Description:** Code indicating the format of a description

**Code List Summary** (Total Codes: 3, Included: 1)

**Code Name**

F Free-form

PID05	352	Description	M	AN	1/80	Must use
-------	-----	-------------	---	----	------	----------

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

## Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.

## 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.

# Loop Line Item Acknowledgment

Pos: 270      Repeat: 104  
 Mandatory  
 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	M	1		Must use

# ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Mandatory	
Loop: ACK	Elements: 12

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

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

## Element Summary:

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

**Description:** Code specifying the action taken by the seller on a line item requested by the buyer

**Code List Summary** (Total Codes: 26, Included: 2)

**Code Name**

IA Item Accepted  
IR Item Rejected

ACK02	380	Quantity	X	R	1/15	Must use
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**Description:** Numeric value of quantity

ACK03	355	Unit or Basis for Measurement Code	X	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 List Summary** (Total Codes: 794, Included: 2)

**Code Name**

EA Each  
UN Unit

ACK04	374	Date/Time Qualifier	O	ID	3/3	Used
-------	-----	---------------------	---	----	-----	------

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

**User Note 1:**

*Date Qualifier must be 068 for the following Incoterms sent in the 850: FOB, EXW, FAS, FCA*

*Date Qualifier must be 067 for the following Incoterms sent in the 850: DDP, DAP*

*The Line item date is required, it can be sent in the ACK04 / 05 or in the SCH05/06. It should not be sent in both.*

**Code List Summary** (Total Codes: 1112, Included: 2)

**Code Name**

067 Current Schedule Delivery  
068 Current Schedule Ship

ACK05	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

**Description:** Date expressed as CCYYMMDD

ACK07	235	Product/Service ID Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**Code List Summary** (Total Codes: 477, Included: 3)

		<u>Code</u>	<u>Name</u>				
		AI	Alternate ISBN				
		RR	Replacement Product Number				
		SR	Substitute Product Number				
ACK08	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					
ACK09	235	<b>Product/Service ID Qualifier</b>		X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>Code List Summary</b> (Total Codes: 477, Included: 3)					
		<u>Code</u>	<u>Name</u>				
		AI	Alternate ISBN				
		RR	Replacement Product Number				
		SR	Substitute Product Number				
ACK10	234	<b>Product/Service ID</b>		X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service					
ACK27	559	<b>Agency Qualifier Code</b>		X	ID	2/2	Must use
		<b>Description:</b> Code identifying the agency assigning the code values					
		<b>Code List Summary</b> (Total Codes: 176, Included: 1)					
		<u>Code</u>	<u>Name</u>				
		BI	Book Industry Systems Advisory Committee				
ACK28	822	<b>Source Subqualifier</b>		X	AN	1/15	Must use
		<b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier					
ACK29	1271	<b>Industry Code</b>		M	AN	1/30	Must use
		<b>Description:</b> Code indicating a code from a specific industry code list					
		<b>User Note 1:</b>					
		<b><u>Shipping Immediately:</u></b>					
		<i>AC Item accepted and Shipping</i>					
		<i>AH Available for Shipping - Credit Hold</i>					
		<b><u>Backordered:</u></b>					
		<i>BA Backordered - Not Yet Printed</i>					
		<i>BB Backordered - Reprint under consideration (OSI)</i>					
		<i>BD Backordered - Publication Delay</i>					
		<i>BH Backordered - Credit hold</i>					
		<i>BO Backordered - Out of Stock</i>					
		<i>BP Backordered - Partial Shipment</i>					
		<i>BR Backordered Reprint in progress</i>					
		<b><u>Cancelled</u></b>					
		<i>CA Cancelled - Not Yet Printed</i>					
		<i>CB Cancelled - Not Out Publication</i>					
		<i>CC Cancelled - Customer Request</i>					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>CE Cancelled - Partial shipment</i>				
		<i>CG Cancelled - No geographical rights</i>				
		<i>CO Cancelled - Out of Stock</i>				
		<i>CP Cancelled - Price Variance Exceeded</i>				
		<i>CQ Cancelled - Below minimum order</i>				
		<i>CR Cancelled - Reprint in process</i>				
		<i>CU Cancelled - Kits not Available</i>				
		<i>CX Cancelled - Publication Cancelled</i>				
		<i>IR Cancelled - Item rejected</i>				
		<i>KC Cancelled - Reprint under consideration (OSI)</i>				
		<i>KM Cancelled - Market type restriction</i>				
		<i>OP Cancelled - Out of Print</i>				
		<i>CA Cancelled - Not Yet Printed</i>				

### 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. P2728 - If either ACK27 or ACK28 is present, then the other is required.
6. 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.



# 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

Pos: 310	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

**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						
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						
<b>Code List Summary</b> (Total Codes: 794, Included: 2)						
<b>Code Name</b>						
EA Each						
UN Unit						
SCH05	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						
<b>User Note 1:</b>						
<i>Date Qualifier must be 068 for the following Incoterms sent in the 850: FOB, EXW, FAS, FCA</i>						
<i>Date Qualifier must be 067 for the following Incoterms sent in the 850: DDP, DAP</i>						
<i>The Line item date is required, it can be sent in the ACK04 / 05 or in the SCH05/06. It should not be sent in both.</i>						
<b>Code List Summary</b> (Total Codes: 1112, Included: 2)						
<b>Code Name</b>						
067 Current Schedule Delivery						
068 Current Schedule Ship						
SCH06	373	<b>Date</b>	X	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						
<b>User Note 1:</b>						
CCYYMMDD						

## Semantics:

- SCH12 is the schedule identification.

## Comments:

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

# Loop Transaction Totals

Pos: 010	Repeat: 1
Mandatory	
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	M	1		Must use

# CTT Transaction Totals

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

**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

## 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	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	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.