

810

Invoice

Functional Group=IN

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

- Notes:**
Initial This Pubnet 810 standard, version 3060 is a subset of the full BISAC 810 standard, May 1999 – 3060, version 2
3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Change Log:

1. October 2006: Add values related to ISBN-13 to data elements.
2. April 2020: Add back missing notes, descriptions, comments, semantics from the BISAC 3060 standards plus helpful notes from Booknet Canada standards.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
040	CUR	Currency	O	1		
LOOP ID - N1					200	
070	N1	Name	O	1		
080	N2	Additional Name Information	O	2		
090	N3	Address Information	O	2		
100	N4	Geographic Location	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
140	DTM	Date/Time Reference	O	10		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - IT1					200000	
010	IT1	Baseline Item Data (Invoice)	O	1		
050	CTP	Pricing Information	O	25		
LOOP ID - PID					1000	
060	PID	Product/Item Description	O	1		
LOOP ID - SAC					25	
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	TDS	Total Monetary Value Summary	M	1		
020	TXI	Tax Information	O	10		
LOOP ID - SAC					25	

IMPLEMENTATION GUIDELINE FOR EDI

INVOICE

040	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
070	CTT	Transaction Totals	O	1	N3/070
080	SE	Transaction Set Trailer	M	1	

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., 810 selects the Invoice Transaction Set).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Required				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>810</td> <td>X12.2 Invoice</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	810	X12.2 Invoice				
<u>Code</u>	<u>Name</u>									
810	X12.2 Invoice									
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required				

BIG Beginning Segment for Invoice

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

To indicate the beginning of an invoice transaction set and transmit identifying numbers, invoice number and default purchase order number and dates. It can be overridden at the Line detail level (see IT1 segment at Item level).

Semantics:

- BIG01 is the invoice issue date.
- BIG03 is the date assigned by the purchaser to purchase order.

Comments:

- BIG07 is used only to further define the type of invoice when needed.

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>				
BIG01	373	Date Description: Date (YYMMDD)	M	DT	6/6	Required				
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22	Required				
BIG03	373	Date Description: Date (YYMMDD)	O	DT	6/6	Used				
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/22	Used				
BIG05	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	1/30	Used				
BIG06	327	Change Order Sequence Number Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set User: <i>This element is used by the publisher/manufacturer group.</i>	O	AN	1/8	Used				
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction	O	ID	2/2	Used				
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CI</td> <td>Consolidated Invoice</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CI	Consolidated Invoice				
<u>Code</u>	<u>Name</u>									
CI	Consolidated Invoice									
BIG08	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	O	ID	2/2	Used				
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00	Original				
<u>Code</u>	<u>Name</u>									
00	Original									

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>SE</td> <td>Selling Party</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	SE	Selling Party				
<u>Code</u>	<u>Name</u>									
SE	Selling Party									
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required				
		User: <i>USD - U.S.Dollar</i> <i>CAD - Canadian Dollar</i>								

N1

Name

Pos: 070	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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BT</td> <td>Bill-to-Party</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>VN</td> <td>Vendor</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BT	Bill-to-Party	ST	Ship To	VN	Vendor				
<u>Code</u>	<u>Name</u>													
BT	Bill-to-Party													
ST	Ship To													
VN	Vendor													
N102	93	Name Description: Free-form name	C	AN	1/35	Used								
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>Standard Address Number (SAN)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	15	Standard Address Number (SAN)								
<u>Code</u>	<u>Name</u>													
15	Standard Address Number (SAN)													
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used								

N2

Additional Name Information

Pos: 080	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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

Element Summary:

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

N3

Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party

Element Summary:

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

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To specify the geographic place of the named party

Comments:

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

Element Summary:

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

ITD

Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

To specify terms of sale

Syntax:

L03040513 -- If ITD03 is present, then at least one of ITD04 or ITD05 is required.

L08040513 -- If ITD08 is present, then at least one of ITD04 or ITD05 is required.

Comments:

1. If the code in ITD01 is "05", then ITD06 or ITD07 is required

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																												
ITD01	336	Terms Type Code Description: Code identifying type of payment terms	O	ID	2/2	Used																												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Basic</td> </tr> <tr> <td>02</td> <td>End of Month (EOM)</td> </tr> <tr> <td>03</td> <td>Fixed Date</td> </tr> <tr> <td>05</td> <td>Discount Not Applicable</td> </tr> <tr> <td>07</td> <td>Extended</td> </tr> <tr> <td>12</td> <td>10 Days After End of Month (10 EOM)</td> </tr> <tr> <td>14</td> <td>Previously agreed upon</td> </tr> <tr> <td>18</td> <td>Fixed Date,Late Payment Penalty Applies</td> </tr> <tr> <td></td> <td>Description: Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date</td> </tr> <tr> <td>22</td> <td>Cash Discount Terms Apply</td> </tr> <tr> <td></td> <td>Description: Contract terms specify that a cash discount is applicable</td> </tr> <tr> <td>CO</td> <td>Consignment</td> </tr> <tr> <td>NC</td> <td>No Charge</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	01	Basic	02	End of Month (EOM)	03	Fixed Date	05	Discount Not Applicable	07	Extended	12	10 Days After End of Month (10 EOM)	14	Previously agreed upon	18	Fixed Date,Late Payment Penalty Applies		Description: Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date	22	Cash Discount Terms Apply		Description: Contract terms specify that a cash discount is applicable	CO	Consignment	NC	No Charge				
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ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period	O	ID	1/2	Used																												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ship Date</td> </tr> <tr> <td>3</td> <td>Invoice Date</td> </tr> <tr> <td>4</td> <td>Specified Date</td> </tr> <tr> <td>8</td> <td>Invoice Transmission Date</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	1	Ship Date	3	Invoice Date	4	Specified Date	8	Invoice Transmission Date																						
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ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Used																												
ITD04	370	Terms Discount Due Date Description: Date payment is due if discount is to be earned	C	DT	6/6	Used																												
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Used																												

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD06	446	Terms Net Due Date Description: Date when total invoice amount becomes due	O	DT	6/6	Used
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used
ITD08	362	Terms Discount Amount Description: Total amount of terms discount	O	N2	1/10	Used
ITD14	107	Payment Method Code Description: Code identifying type of payment procedures	O	ID	1/1	Used

<u>Code</u>	<u>Name</u>
C	Pay By Check
E	Electronic Payment System
L	Letter of Credit

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 3

To specify pertinent dates and times

Syntax:

- DTM02 R020306 -- DTM02 is required

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>011</td> <td>Shipped</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	011	Shipped				
<u>Code</u>	<u>Name</u>									
011	Shipped									
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required				
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required				

IT1

Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 11

To specify the basic and most frequently used line item data for the invoice and related transactions. There will be one occurrence for each line item. If the purchase order number for the item is different than the default purchase order number specified in the Invoice level BIG segment, it must be specified here.

Syntax:

1. IT102 P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
2. IT106 P0607 -- If either IT106 or IT107 are present, then the others are required.
3. IT108 P0809 -- If either IT108 or IT109 are present, then the others are required.
4. IT110 P1011 -- If either IT110 or IT111 are present, then the others are required.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services.
2. IT106 through IT11 provide for three different product/service IDs for each 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>
IT101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Used
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		UN Unit				
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used
IT105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item User: <i>Standard Book Industry definitions should be applied to this element.</i>	O	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		PE Price per Each				
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: <i>When using both an RP and IB code value, the RP code value must be used first.</i>	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		AI Alternate ISBN				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		IB International Standard Book Number (ISBN)				
		EN (ISBN-13) – Effectively doubles the number of ISBNs available.				
		UK UCC/EAN-14: 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.				

IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
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IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
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User: *When using both an RP and IB code value, the RP code value must be used first.*

<u>Code</u>	<u>Name</u>
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AI	Alternate ISBN
IB	International Standard Book Number (ISBN)
EN	(ISBN-13) – Effectively doubles the number of ISBNs available.
UK	UCC/EAN-14: 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.

IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
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IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
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User: *Refer to code list specified in 'IT106 ' for usage.*

IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
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CTP Pricing Information

Pos: 050	Max: 25
Detail - Optional	
Loop: IT1	Elements: 6

To specify invoice price and discount 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:

<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 Description: Code identifying pricing specification	C	ID	3/3	Used						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>NET</td> <td>Net Item Price</td> </tr> <tr> <td>SLP</td> <td>Retail/List/Suggested Selling Price</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	NET	Net Item Price	SLP	Retail/List/Suggested Selling Price				
<u>Code</u>	<u>Name</u>											
NET	Net Item Price											
SLP	Retail/List/Suggested Selling Price											
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc.	O	R	1/17	Used						
CTP04	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used						
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		Used						
CTP06	648	Price Multiplier Qualifier Description: Code indicating the type of price multiplier User: <i>The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)</i> <i>DIS Discount Multiplier</i>	O	ID	3/3	Used						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DIS</td> <td>Discount Multiplier</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DIS	Discount Multiplier						
<u>Code</u>	<u>Name</u>											
DIS	Discount Multiplier											
CTP07	649	Multiplier Description: Value to be used as a multiplier to obtain a new value User: <i>This value is a REAL number. The value is represented in decimal form. A discount of 20% would have a value in this element of .8</i>	C	R	1/10	Used						

PID Product/Item Description

Pos: 060	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. If PID01 equals "S", then PID04 is used.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
PID01	349	Item Description Type Description: Code indicating the format of a description	M	ID	1/1	Required						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Free-form</td> </tr> <tr> <td>S</td> <td>Structured (From Industry Code List)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	F	Free-form	S	Structured (From Industry Code List)				
<u>Code</u>	<u>Name</u>											
F	Free-form											
S	Structured (From Industry Code List)											
PID02	750	Product/Process Characteristic Code Description: Code identifying the general class of a product or process characteristic	O	ID	2/3	Used						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>08</td> <td>Product</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	08	Product						
<u>Code</u>	<u>Name</u>											
08	Product											
PID03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Used						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BI</td> <td>Book Industry Systems Advisory Committee</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BI	Book Industry Systems Advisory Committee						
<u>Code</u>	<u>Name</u>											
BI	Book Industry Systems Advisory Committee											
PID04	751	Product Description Code Description: A code from an industry code list which provides specific data about a product characteristic	C	AN	1/12	Used						
		<p>User: PROD - BISAC Publisher/Manufacturer Group product and services code list.</p> <p>-----</p> <p><i>In the library community the following code values values are used:</i></p> <p>A1 Author (1st 80 characters)</p> <p>A2 Author (81-160 characters)</p> <p>B1 Volume Set</p> <p>B3 Edition Set</p>										

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>B4 Binding code (physical features)</i>				
		<i>B5 Title code</i>				
		<i>B6 Author code</i>				
		<i>B7 Publisher code</i>				
		<i>P1 Publisher (1st 80 characters)</i>				
		<i>P2 Publisher (81-160 characters)</i>				
		<i>T1 Title (1st 80 characters)</i>				
		<i>T2 Title (81-160 characters)</i>				
		<i>T3 Title (161-240 characters)</i>				
PID05	352	Description Description: A free-form description to clarify the related data elements and their content User: Code and/or description as agreed upon by the Publisher/Manufacturer Group.	C	AN	1/80	Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: SAC	Elements: 6

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

Syntax:

1. SAC02 R0203 -- At least one of SAC02 or SAC03 is required.
2. SAC09 P0910 -- If either SAC09 or SAC10 are present, then the others are required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05 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 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																
SAC01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified	M	ID	1/1	Required																
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> <tr> <td>P</td> <td>Promotion</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge	P	Promotion												
<u>Code</u>	<u>Name</u>																					
A	Allowance																					
C	Charge																					
P	Promotion																					
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Used																
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A990</td> <td>Cataloging Services</td> </tr> <tr> <td>B210</td> <td>Co-op Credit</td> </tr> <tr> <td>D200</td> <td>Freight Charges to Destination</td> </tr> <tr> <td>D220</td> <td>Freight Passthrough</td> </tr> <tr> <td>E170</td> <td>Labeling</td> </tr> <tr> <td>F800</td> <td>Promotional Allowance</td> </tr> <tr> <td>H850</td> <td>Tax</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A990	Cataloging Services	B210	Co-op Credit	D200	Freight Charges to Destination	D220	Freight Passthrough	E170	Labeling	F800	Promotional Allowance	H850	Tax				
<u>Code</u>	<u>Name</u>																					
A990	Cataloging Services																					
B210	Co-op Credit																					
D200	Freight Charges to Destination																					
D220	Freight Passthrough																					
E170	Labeling																					
F800	Promotional Allowance																					
H850	Tax																					
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used																
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used																
SAC09	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used																
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		EA Each				
		Description: For non-book items.				
		UN Unit				
SAC10	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				

TDS Total Monetary Value Summary

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

To specify the total invoice discounts and amounts.

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. All Amounts have an implied decimal point. Example: An Invoice total amount of 2099.31 would be TDS|209931

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

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>
TDS01	610	Amount Description: Monetary amount	M	N2	1/15	Required
TDS02	610	Amount Description: Monetary amount	O	N2	1/15	Used
TDS03	610	Amount Description: Monetary amount	O	N2	1/15	Used

TXI Tax Information

Pos: 020	Max: 10
Summary - Optional	
Loop: N/A	Elements: 3

To specify tax information

Syntax:

R020306 -- At least one of TXI02 or TXI03 is required.

Comments:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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>								
TXI01	963	Tax Type Code Description: Code specifying the type of tax	M	ID	2/2	Required								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GS</td> <td>Goods and Services Tax Description: Canadian value-added tax</td> </tr> <tr> <td>LS</td> <td>State and Local Sales Tax</td> </tr> <tr> <td>TX</td> <td>All Taxes Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GS	Goods and Services Tax Description: Canadian value-added tax	LS	State and Local Sales Tax	TX	All Taxes Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.				
<u>Code</u>	<u>Name</u>													
GS	Goods and Services Tax Description: Canadian value-added tax													
LS	State and Local Sales Tax													
TX	All Taxes Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.													
TXI02	782	Monetary Amount Description: Monetary amount	C	R	1/15	Used								
TXI03	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Used								

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 6

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

Syntax:

R0203 -- SAC02 is required.
P0910 -- If either SAC09 or SAC10 are present, then the others are required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05 or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
SAC01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified	M	ID	1/1	Required												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> <tr> <td>P</td> <td>Promotion</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge	P	Promotion								
<u>Code</u>	<u>Name</u>																	
A	Allowance																	
C	Charge																	
P	Promotion																	
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Used												
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SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used												
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used												
SAC09	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>UN</td> <td>Unit</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	UN	Unit												
<u>Code</u>	<u>Name</u>																	
UN	Unit																	

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

Description: Numeric value of quantity

CTT Transaction Totals

Pos: 070	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	N0	1/6	Required
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	O	R	1/10	Used

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: 080	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:

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