Indigo

Indigo Books & Music Inc. - Trade Books

X12/V4010/810 Invoice

Version: 1 Final

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810   Invoice

Functional Group=IN

Purpose: 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:

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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header (Start)	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	M	1			Must use
050	REF	Reference Identification	M	12			Must use
LOOP ID - N1					**200**		
070	N1	Name	M	1			Must use
140	DTM	Date/Time Reference	M	10			Must use

Detail:

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

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	M	10			Must use
LOOP ID - SAC					**25**		
040	SAC	Service, Promotion, Allowance, or Charge	O	1			Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
		Information					
050	TXI	Tax Information	O	10			Used
070	CTT	Transaction Totals	M	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

User Note 1:
Change History:
November 2020:

Changed usage of REF Segment from Optional to Mandatory

Added IA and VN qualifiers in REF01

Added FS qualifier in N101

Changed usage of DTM segment from Optional to Mandatory

Add UK qualifier to IT106

Changed usage of IT108 from X to M

Changed usage of CTP07 from X to M

Added SAC segment at Item level

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 one or more functional groups and interchange-related control segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information.
All valid standard codes are used. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information.
All valid standard codes are used. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.
All valid standard codes are used. (Total Codes: 11)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.

User Note 1:

12 for Trade

ZZ for VMI

Code List Summary (Total Codes: 11, Included: 2)

Code	Name
12	Phone (Telephone Companies)
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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.				

User Note 1:

4163644499 for Trade
VMIORDERS for VMI

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange.

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange.

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.

All valid standard codes are used. (Total Codes: 1)

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: This version number covers the interchange control segments only. Position: 1-3 of the field = major version number, 4-5 of the field = release level of the version.

ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID, it uniquely identifies the interchange data to receiver. It it suggested that the sender, receiver, and all third parties be able to maintain an audit trail if interchanges using this number.

ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment.

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

ISA15	I14	**Test Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test or production.

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

ISA16	I15	**Sub Element Separator**	M	AN	1/1	Must use

Description: This is a field reserved for future expansion in separating data element subgroups. (Currently this should be the same as the data element separator.)

GS Functional Group Header (Start)

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

User Option (Usage): Must use

Purpose: To start and identify a functional group of related transaction sets and provide control and application identification information..

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier**	M	ID	2/2	Must use

Description: Code identifying a group of application related Transaction Sets.

Code List Summary (Total Codes: 5, Included: 1)

Code	Name
IN	Invoice Related Transaction

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	ID	2/12	Must use

Description: Identification number of party sending transmission (as mutually agreed between parties).

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	ID	2/12	Must use

Description: Identification Code of party receiving transmission (as mutually agreed between parties).

User Note 1:

4163644499 for Trade

VMIORDERS for VMI

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	29	**Data Interchange Date**	M	DT	6/6	Must use

Description: Date sender generated a functional group of transaction sets.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	30	**Data Interchange Time**	M	TM	4/4	Must use

Description: Time expressed in 24-hour clock time when the sender generated a functional group of transaction sets (local time at sender's location).

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Data Interchange Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code used in conjunction with the element 480 to identify the issuer of the standard.

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version**	M	ID	1/12	Must use

Description: The Version Code is used in conjunction with the Functional Identifier to specify an exact version of an EBDI standard. Format of the version is: Positions: 1-3 = Major Version Number, 4-6 = Release Level of Version, 7-12 = Industry or Trade Association ID (Optionally assigned by user).

Semantics:

1. 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. The functional group ID's (GS01) are listed below along with the transaction sets included in each functional group. "QG" = Quotation Related Transactions 832 - Price/Sales Catalog 840 - Request for Quote 843 - Response to Request for Quote "PO" = Purchase Order Related Transactions 830 - Planning Schedule 850 - Purchase Order 855 - Purchase Order Acknowledgment 860 - Order Change Request 865 - Order Change Request Acknowledgment 869 - Order Status Inquiry 870 - Order Status Report "IN" = Invoice Related Transaction 810 - Invoice 820 - Remittance/Payment Advice "SH" = Shipment Related Transactions 857 - Notice of Readiness to Ship 856 - Ship Notice 858 - Shipping Documentation 859 - Post Shipment Documentation 861 - Receiving Advice "FA" = Functional Acknowledgment Transaction 997 - Functional Acknowledgment "EF" = Electronic Form Transfer Structure 868 - Electronic Form Transfer Structure The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. In some instances, by mutual agreement between interchange partners, the application sender's code (GS02) and the applications receiver's code (GS03) may be used to identify interchange parties. However, the N1 loop within the transaction set normally provides the most efficient method of organizational identification, and is recommended for this purpose. (This note will be changed in the next version/release in accordance with DM #174 - See Change Summary)

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:

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

Description: Code uniquely identifying a Transaction Set

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

Code	Name
810	Invoice

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

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

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).

BIG Beginning Segment for Invoice

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 3**

User Option (Usage): Must use

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG02	76	**Invoice Number**	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

User Note 1:
Invoice Number is a maximum of 22 characters (Min/Max = 1/22)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG04	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

User Note 1:
PO Number is 10 charachters (Min / Max 10)

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 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:

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

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

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

Code	Name
BY	Buying Party (Purchaser)
SE	Selling Party

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

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

User Note 1:

CAD = Canada

USD = US

EUR = European

GPB = Great Britain Pound

REF Reference Identification

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

User Note 1:

VN qualifier for Future Use Only

Code List Summary (Total Codes: 1503, Included: 4)

Code	Name
BM	Bill of Lading Number
IA	Internal Vendor Number
PK	Packing List Number
VN	Vendor Order Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	Must use

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

Syntax Rules:

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

Loop Name

Pos: 070	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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	M	1		Must use

N1   Name

Pos: 070	**Max: 1**
Heading - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

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

Element Summary:

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

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

Code List Summary (Total Codes: 1312, Included: 4)

Code	Name
BT	Bill-to-Party
FS	Final Scheduled Destination
ST	Ship To
VN	Vendor

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

User Note 1:

1 D-U-N-S Number, Dun & Bradstreet = 9 characters
15 Standard Address Number (SAN) = 7 characters

Code List Summary (Total Codes: 215, Included: 2)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
15	Standard Address Number (SAN)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

User Note 1:

D-U-N-S Number, Dun & Bradstreet only used when N101 = VN

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.

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

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

Element Summary:

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

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

Code List Summary (Total Codes: 1112, Included: 1)

Code	Name
011	Shipped

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

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Mandatory	
Loop: IT1	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	IT1	Baseline Item Data (Invoice)	M	1		Must use
050	CTP	Pricing Information	M	25		Must use
060		Loop PID	M		1000	Must use
180		Loop SAC	O		25	Used

IT1   Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	**Elements: 9**

User Option (Usage): Must use
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT101	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

| IT102 | 358 | **Quantity Invoiced** | M | R | 1/10 | Must use |

Description: Number of units invoiced (supplier units)

| IT103 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use |

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

Code List Summary (Total Codes: 794, Included: 1)

Code   Name
EA   Each

| IT104 | 212 | **Unit Price** | M | R | 1/17 | Must use |

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

| IT105 | 639 | **Basis of Unit Price Code** | O | ID | 2/2 | Used |

Description: Code identifying the type of unit price for an item

Code List Summary (Total Codes: 91, Included: 1)

Code   Name
NT   Net

| IT106 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |

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

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

Code   Name
EN   European Article Number (EAN) (2-5-5-1)
UK   U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UP   U.P.C. Consumer Package Code (1-5-5-1)

| IT107 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use |

Description: Identifying number for a product or service

| IT108 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |

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

Code List Summary (Total Codes: 477, Included: 1)

	Code	**Name**				
	PO	Purchase Order Number				
IT109	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Syntax Rules:

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

Semantics:

1. IT101 is the purchase order line item identification.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

CTP   Pricing Information

<table>
<tr><td>Pos: 050</td><td>Max: 25</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: IT1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	M	R	1/17	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP06	648	**Price Multiplier Qualifier**	M	ID	3/3	Must use

Description: Code indicating the type of price multiplier

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

Code	Name
DIS	Discount Multiplier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP07	649	**Multiplier**	M	R	1/10	Must use

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

User Note 1:

Multiplier of .8 = 20% discount

Multiplier of .6 = 40% discount

Syntax Rules:

1. 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.

User Note 1:

CTP segment is Optional for VMI, Mandatory for Trade

Loop Product/Item Description

Pos: 060	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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
060	PID	Product/Item Description	M	1		Must use

PID   Product/Item Description

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Element Summary:

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

Description: Code indicating the format of a description

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

Code Name
F   Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

User Note 1:

Maximum Length is 40 (Min1/Max40)

Syntax Rules:

1. 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. If PID01 equals "X", then both PID04 and PID05 are used.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 180	Repeat: 25
Optional	
Loop: SAC	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

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

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180   **Max: 1**
Detail - Optional
Loop: SAC   **Elements: 4**

User Option (Usage): Used

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

Element Summary:

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

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

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

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

User Note 1:

Indigo uses the D240 code for Shipping and Handling

Indigo uses the G830 code for Freight

Code List Summary (Total Codes: 1053, Included: 3)

Code	Name
A010	Absolute Minimum Charge
D240	Freight
G830	Shipping and Handling

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2	Must use

Description: Code indicating method of handling for an allowance or charge

Code List Summary (Total Codes: 22, Included: 1)

Code	Name
06	Charge to be Paid by Customer

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.

TDS Total Monetary Value Summary

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

User Option (Usage): Must use

Purpose: To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

User Note 1:

*Decimal is Implied only - Do **NOT** send Decimals*

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

Comments:

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

TXI Tax Information

Pos: 020	**Max: 10**
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To specify tax information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	**Tax Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of tax

Code List Summary (Total Codes: 74, Included: 1)

Code	Name
GS	Goods and Services Tax

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI02	782	**Monetary Amount**	M	R	1/18	Must use

Description: Monetary amount

User Note 1:

Decimal Required

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 040	**Repeat: 25**
Optional	
Loop: SAC	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
050	TXI	Tax Information	O	10		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040   **Max: 1**
Summary - Optional
Loop: SAC   **Elements: 4**

User Option (Usage): Used

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

Element Summary:

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

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

Code List Summary (Total Codes: 7, Included: 1)

Code	Name
C	Charge

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

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

User Note 1:

Indigo uses the D240 code for Shipping and Handling

Indigo uses the G830 code for Freight

Code List Summary (Total Codes: 1053, Included: 3)

Code	Name
A010	Absolute Minimum Charge
D240	Freight
G830	Shipping and Handling

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

User Note 1:

Decimal Implied

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2	Must use

Description: Code indicating method of handling for an allowance or charge

Code List Summary (Total Codes: 22, Included: 1)

Code	Name
06	Charge to be Paid by Customer

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:

1.

TXI Tax Information

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

Pos: 050   **Max: 10**

Summary - Optional

Loop: SAC   **Elements: 2**

</div>

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	**Tax Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of tax

Code List Summary (Total Codes: 74, Included: 1)

Code	Name
GS	Goods and Services Tax

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI02	782	**Monetary Amount**	M	R	1/18	Must use

Description: Monetary amount

User Note 1:

Decimal is Required

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.

User Note 1:

This TXI Segment is used only when the SAC segment is sent for Shipping and Handling Charges.
It represents the GST amount of the Shipping charge.

CTT   Transaction Totals

Pos: 070   **Max: 1**
Summary - Mandatory
Loop: N/A   Elements: 1

User Option (Usage): Must use

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

Element Summary:

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

Description: Total number of line items in the transaction set

Comments:

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

SE Transaction Set Trailer

<div style="border:1px solid black; display:inline-block">

Pos: 080   **Max: 1**
Summary - Mandatory
Loop: N/A   Elements: 2

</div>

User Option (Usage): Must use

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

Element Summary:

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

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

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

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

Comments:

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