

Invoice Interface

EDI 810 Schema

2/24/2017

Confidentiality Notice

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Version	Date	Change Summary
2.0	5/19/2014	Reformatted document to make it easier to read.
2.1	11/11/2014	Added support for buyer job number field in REF segment where REF01 = "JN"
2.2	2/24/2017	Update Confidentiality Notice

EDI 810 Schema

Overview

This purpose of this document is to describe the schema for the 810 invoice transaction set (ANSI X12, version 004010) that Transcepta accepts for transmission to your customer(s). The fields in this file are a subset of the entire 810 invoice schema in the database; however this subset was specifically selected to provide buyers the information they require to properly process invoices for payment.

This file may not be a complete list of all possible information that can be provided to Transcepta buyers. If a buyer has specific data requirements, it is likely that the additional data can be provided. Please contact Transcepta Support at support@transcepta.com or 888-221-2026/949-382-2842 for additional information.

810

Invoice

Functional Group=IN

This document 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.

Not Defined:

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0010	ST	Transaction Set Header	M	1		
0020	BIG	Beginning Segment for Invoice	M	1		
0040	CUR	Currency	O	1		
0050	REF	Reference Identification	O	12		
0060	PER	Administrative Communications Contact	O	3		

<u>LOOP ID – N1</u>				<u>200</u>
0070	N1	Name	M	1
0080	N2	Additional Name Information	O	2
0090	N3	Address Information	M	2
0100	N4	Geographic Location	M	1
0110	REF	Reference Identification	O	12
0120	PER	Administrative Communications Contact	O	3
0130	ITD	Terms of Sale/Deferred Terms of Sale	O	1
0140	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>Usage</u>
LOOP ID – IT1						200000
0010	IT1	Baseline Item Data (Invoice)	O	1		
0015	QTY	Quantity	O	5		
0040	TXI	Tax Information	O	10		
0050	CTP	Pricing Information	O	25		
LOOP ID - PID						1000
0060	PID	Product/Item Description	O	1		
0100	PO4	Item Physical Details	O	1		
0120	REF	Reference Information	O	>1		
0160	CAD	Carrier Detail	O	>1		
LOOP ID – SAC						25
0180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID – N1						200
0240	N1	Name	O	1		
0250	N2	Additional Name Information	O	2		
0260	N3	Address Information	O	2		
0270	N4	Geographic Location	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0010	TDS	Total Monetary Value Summary	M	1		
0020	TXI	Tax Information	O	10		
0030	CAD	Carrier Detail	O	1		
LOOP ID – SAC						25
0040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS						>1
0060	ISS	Invoice Shipment Summary	O	1		
0080	SE	Transaction Set Trailer	M	1		

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	GE	Interchange Control Trailer	M	1		
	IEA	Functional Group Trailer	M	1		

ISA

Interchange Control Header

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

User Option (Usage): Must use

To start and identify an interchange of zero 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 Description: Code identifying the type of information in the Authorization Information <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	
ISA02	I02	Authorization Information 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 (I01)	M	AN	10/10	
ISA03	I03	Security Information Qualifier Description: Code identifying the type of information in the Security Information <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	
ISA04	I04	Security Information 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 (I03)	M	AN	10/10	
ISA05	I05	Interchange ID Qualifier Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	
ISA06	I06	Interchange Sender ID 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	M	AN	15/15	
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	

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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>
		Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet) ZZ Mutually Defined				
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is 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	M	AN	15/15	
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	
ISA11	I65	Repetition Separator Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator	M		1/1	
ISA12	I11	Interchange Control Version Number Code Description: Code specifying the version number of the interchange control segments All valid standard codes are used.	M	ID	5/5	
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	NO	9/9	
ISA14	I13	Acknowledgement Requested Code Description: Code indicating sender's request for an interchange acknowledgment All valid standard codes are used.	M	ID	1/1	
ISA15	I14	Interchange Usage Indicator Code	M	ID	1/1	

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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>						
Description: Code indicating whether data enclosed by this interchange envelope is test, production or information												
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>P</td><td>Production Data</td></tr><tr><td>T</td><td>Test Data</td></tr></table>							<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											
Note: you must arrange with Transcepta in advance before sending Test data. If you fail to notify Transcepta before sending test data, invoices may be delivered to your customer’s production Accounts Payable system.												
ISA16	I15	Component Element Separator	M		1/1							
Description: 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

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

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> IN Invoice Information (810)	M	ID	2/2	
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	
GS04	373	Date Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	
GS05	337	Time 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)	M	TM	4/8	
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	NO	1/9	
GS07	455	Responsible Agency Code Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, sub-release, 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 sub-release, 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 All valid standard codes are used.	M	AN	1/12	

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

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 Description: Code uniquely identifying a Transaction Set <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>810</td><td>Invoice</td></tr></table>	<u>Code</u>	<u>Name</u>	810	Invoice	M	ID	3/3	
<u>Code</u>	<u>Name</u>									
810	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					

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: 5

User Option (Usage): Must use

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 Description: Date expressed as CCYYMMDD	M	DT	8/8													
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22													
BIG03	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8													
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22													
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction	M	ID	2/2													
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CN</td><td>Credit Invoice</td></tr><tr><td>CR</td><td>Credit Memo</td></tr><tr><td>DI</td><td>Debit Invoice</td></tr><tr><td>DR</td><td>Debit Memo</td></tr><tr><td>MC</td><td>Material Credit</td></tr></table>	<u>Code</u>	<u>Name</u>	CN	Credit Invoice	CR	Credit Memo	DI	Debit Invoice	DR	Debit Memo	MC	Material Credit				
<u>Code</u>	<u>Name</u>																	
CN	Credit Invoice																	
CR	Credit Memo																	
DI	Debit Invoice																	
DR	Debit Memo																	
MC	Material Credit																	

Semantics:

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

Comments:

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

CUR

Currency

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

User Option (Usage): Used

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 uniquely identifying a Transaction Set <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BY</td><td>Buying Party (Purchaser)</td></tr><tr><td>SE</td><td>Selling Party</td></tr><tr><td>SU</td><td>Supplier/Manufacturer</td></tr></table>	<u>Code</u>	<u>Name</u>	BY	Buying Party (Purchaser)	SE	Selling Party	SU	Supplier/Manufacturer	M	ID	2/3	
<u>Code</u>	<u>Name</u>													
BY	Buying Party (Purchaser)													
SE	Selling Party													
SU	Supplier/Manufacturer													
CUR02	100	Currency Code Description: Code specifying the Standard ISO code for country in whose currency the charges are specified All valid standard codes are used.	M	ID	3/3									

REF Reference Identification

Pos: 050	Max: 12
Heading – Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																												
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CO</td><td>Sales Order Number</td></tr><tr><td>JN</td><td>Buyer’s Job Number</td></tr><tr><td>SI</td><td>Shipper’s Identifying Number for Shipment (SID)</td></tr><tr><td>ST</td><td>Ship-to Identifier</td></tr><tr><td>VR</td><td>Vendor ID Number</td></tr></table> <p>The following additional codes are only applicable if the REF section appears inside a PID loop.</p> <table><tr><td>45</td><td>Tag ID</td></tr><tr><td>BV</td><td>Purchase Order Line Number</td></tr><tr><td>CR</td><td>Department</td></tr><tr><td>G5</td><td>Operating Unit</td></tr><tr><td>GZ</td><td>Buyer GL Code</td></tr><tr><td>IT</td><td>Business Unit</td></tr><tr><td>LU</td><td>Location</td></tr><tr><td>SE</td><td>Serial Number</td></tr></table>	<u>Code</u>	<u>Name</u>	CO	Sales Order Number	JN	Buyer’s Job Number	SI	Shipper’s Identifying Number for Shipment (SID)	ST	Ship-to Identifier	VR	Vendor ID Number	45	Tag ID	BV	Purchase Order Line Number	CR	Department	G5	Operating Unit	GZ	Buyer GL Code	IT	Business Unit	LU	Location	SE	Serial Number	M	ID	2/3	
<u>Code</u>	<u>Name</u>																																	
CO	Sales Order Number																																	
JN	Buyer’s Job Number																																	
SI	Shipper’s Identifying Number for Shipment (SID)																																	
ST	Ship-to Identifier																																	
VR	Vendor ID Number																																	
45	Tag ID																																	
BV	Purchase Order Line Number																																	
CR	Department																																	
G5	Operating Unit																																	
GZ	Buyer GL Code																																	
IT	Business Unit																																	
LU	Location																																	
SE	Serial Number																																	
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30																													
REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80																													

PER

Administrative Communications Contact

Pos: 060	Max: 1
Heading – Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>SR</td><td>Sales Representative</td></tr></table>	<u>Code</u>	<u>Name</u>	SR	Sales Representative	M	ID	2/2	
<u>Code</u>	<u>Name</u>									
SR	Sales Representative									
PER02	93	Name Description: Free-form name	M	AN	1/60					

N1

Name

Pos: 070	Max: 1
Heading – Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

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 Description: Code identifying an organizational entity, a physical location, property or an individual <table><tr><th>Code</th><th>Name</th></tr><tr><td>BT</td><td>Bill-to</td></tr><tr><td>RT</td><td>Remit-to</td></tr><tr><td>SF</td><td>Ship-from</td></tr><tr><td>ST</td><td>Ship-to</td></tr><tr><td>VN</td><td>Vendor</td></tr></table>	Code	Name	BT	Bill-to	RT	Remit-to	SF	Ship-from	ST	Ship-to	VN	Vendor	M	ID	2/3	
Code	Name																	
BT	Bill-to																	
RT	Remit-to																	
SF	Ship-from																	
ST	Ship-to																	
VN	Vendor																	
N102	93	Name Description: Free-form name	C	AN	1/60													
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <table><tr><th>Code</th><th>Name</th></tr><tr><td>92</td><td>Assigned by Buyer or Buyer’s Agent</td></tr></table>	Code	Name	92	Assigned by Buyer or Buyer’s Agent	C	ID	1/2									
Code	Name																	
92	Assigned by Buyer or Buyer’s Agent																	
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80													

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.

N2

Additional Name Information

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

User Option (Usage): Used

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	1/60	
N202	93	Name Description: Free-form name	O	AN	1/60	

N3

Address Information

Pos: 090	Max: 2
Heading – Mandatory	
Loop: N1	Elements: 2

User Option (Usage): Must use

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	1/55	
N302	166	Address Information Description: Address information	O	AN	1/55	

N4

Geographic Location

Pos: 100	Max: 1
Heading – Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

To specify the geographic place of the named party

Element Summary:

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

Comments:

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

ITD

Terms of Sale/Deferred Terms of Sale

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

User Option (Usage): Used

To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	Terms Type Code Description: Code identifying type of payment terms All valid standard codes are used.	O	ID	2/2	
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period All valid standard codes are used.	O	ID	1/2	
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	
ITD04	370	Terms Discount Due Date Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD	C	DT	8/8	
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	
ITD06	446	Terms Net Due Date Description: Date when total invoice amount becomes due expressed in format CCYYMMDD	O	DT	8/8	
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	
ITD08	362	Terms Discount Amount Description: Total amount of terms discount	O	N2	1/10	
ITD12	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	

DTM Date/Time Reference

Pos: 140	Max: 10
Heading – Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>011</td><td>Shipped</td></tr><tr><td>067</td><td>Delivery Date</td></tr></table>	<u>Code</u>	<u>Name</u>	011	Shipped	067	Delivery Date	M	ID	3/3	
<u>Code</u>	<u>Name</u>											
011	Shipped											
067	Delivery Date											
DTM02	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8							

IT1

Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail – Optional	
Loop: IT1	Elements: 15

User Option (Usage): Must use

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 Description: Alphanumeric characters assigned for differentiation within a transaction set	M	AN	1/20	
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	M	R	1/10	
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 All valid standard codes are used.	M	ID	2/2	
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	M	R	1/17	
IT105	639	Basis or Unit Price Code Description: Code identifying the type of unit price for an item All valid standard codes are used.	M	ID	2/2	
IT106	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	
		Code		Name		
		CB		Buyer's catalog number		
		IN		Buyer's item number		
		MG		Manufacturer's part number		
		ND		National Drug Code		
		PI		Purchaser's item code		
		PN		Company part number		
		PO		Purchase Order Number		
		UA		UPC/EAN Case Code		
		UB		UPC/EAN Multipack Code		
		UC		UPC Suffix		
		UD		UPC/EAN Consumer Package Code		
		UE		UPC/EAN Module Code		
		UG		Drug U.P.C. Consumer Package Code		
		UH		Drug U.P.C. Shipping Container Code		
		UI		U.P.C. Consumer Package Code(1-5-5)		

Invoice Interface
EDI 810 Schema



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u> <u>Name</u> UJ U.P.C./EAN Coupon Code UK U.P.C./EAN Shipping Container Code UL U.P.C. Coupon Code UN U.P.C. Case Code Number UP U.P.C. Consumer Package Code (1-5-5-1) VC Vendor catalog number VN Vendor item number VP Vendor part number ZZ Mutually Defined				
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code</u> <u>Name</u> Codes and names same as IT106 above	C	ID	2/2	
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code</u> <u>Name</u> Codes and names same as IT106 above	C	ID	2/2	
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	
IT112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code</u> <u>Name</u> Codes and names same as IT106 above	C	ID	2/2	
IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code</u> <u>Name</u> Codes and names same as IT106 above	C	ID	2/2	
IT115	234	Product/Service ID	C	AN	1/48	

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.

Semantics:

1. IT101 is the purchase order line item identification.

Comments:

1. IT106 through IT115 provide for five different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

QTY Quantity

Pos: 015	Max: 5
Detail – Optional	
Loop: IT1	Elements: 2

User Option (Usage): Used

To specify quantity 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>
QTY01	673	Quantity Qualifier Description: Code specifying the type of quantity	M	ID	2/2	
		Code Name				
		OR Quantity Ordered				
QTY02	380	Quantity Description: Numeric value of quantity	C	R	1/15	

CTP

Pricing Information

Pos: 050	Max: 25
Detail – Optional	
Loop: IT1	Elements: 1

User Option (Usage): Used

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>
CTP08	782	Monetary Amount Description: Monetary amount	M	R	1/18	

Semantics:

1. CTP08 is the Line Item Net Total

PID

Product/Item Description

Pos: 060	Max: 1
Detail – Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

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 Description: Code indicating the format of a description <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>F</td><td>Free-form</td></tr></table>	<u>Code</u>	<u>Name</u>	F	Free-form	M	ID	1/1	
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID05	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80					

Comments:

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

PO4

Item Physical Details

Pos: 100	Max: 1
Detail – Optional	
Loop: IT1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container	O	NO	1/6	
PO402	357	Size Description: Size of supplier units in pack	O	R	1/8	
PO403	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 All valid standard codes are used.	O	ID	2/2	
PO406	384	Gross Weight per Pack Description: Numeric value of gross weight per pack	O	R	1/9	

Comments:

- PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".

CAD

Carrier Detail

Pos: 160	Max: >1
Detail – Optional	
Loop: IT1	Elements: 1

User Option (Usage): Used

To specify transportation details for the 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>
CAD05	387	Routing Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	M	AN	1/35	

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail – Optional	
Loop: SAC	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified <u>Code</u> <u>Name</u> A Allowance C Charge	M	ID	1/1	
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge <u>Code</u> <u>Name</u> D240 Freight D360 Goods and Services Tax Charge F460 Postage G020 CRV (when SAC segment appears within IT1 loop only) H750 Tax – Sales Tax (State and Local)	O	ID	4/4	
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	

Syntax Rules:

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

TDS

Total Monetary Value Summary

Pos: 010	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify the total invoice discounts and amounts

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	
TDS02	610	Amount Description: Monetary Amount	M	N2	1/15	

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.

ISS

Invoice Shipment Summary

Pos: 060	Max: 1
Summary – Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

To specify summary details of total items shipped in terms of quantity, weight, and volume

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>
ISS08	81	Weight Description: Numeric value of weight	O	R	1/10	

Semantics:

1. ISS08 is the gross weight of third party pallets in pounds.

SE

Transaction Set Trailer

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	
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	

Comments:

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

GE

Functional Group Trailer

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end 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>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	NO	1/6	
GE02	28	Group 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	NO	1/9	

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA

Interchange Control Trailer

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of 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>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	NO	1/5	
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	NO	9/9	