

Hancock Fabrics 810 Invoice

X12/V5010/810: Invoice

Author:	SPS Commerce
Created:	6/22/2015
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Notes:	

810 Invoice

Functional Group=IN

Purpose: This X12 Transaction Set 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>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0500	REF	Reference Information	C	2			Used
LOOP ID - N1					3		
0700	N1	Party Identification	C	1			Used
0900	N3	Party Location	C	1			Used
1000	N4	Geographic Location	C	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
1400	DTM	Date/Time Reference	M	1			Must use
1500	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - IT1					200000		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use
LOOP ID - PID					5		
0600	PID	Product/Item Description	C	1			Must use
LOOP ID - SAC					10		
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Details	O	1			Used
LOOP ID - SAC					3		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - ISS					4		
0600	ISS	Invoice Shipment Summary	O	1			Used
0700	CTT	Transaction Totals	O	1		N3/0700	Used
0800	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

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

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments.

ISA Interchange Control Header

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

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type of information in the Authorization Information All valid standard codes are used. (Total Codes: 7)				
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 (I01)				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type of information in the Security Information All valid standard codes are used. (Total Codes: 2)				
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 (I03)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		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. (Total Codes: 41)				
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				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		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. (Total Codes: 41)				
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 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				
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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Time of the interchange				
ISA11	I65	Repetition Separator	M		1/1	Must use
		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				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		All valid standard codes are used. (Total Codes: 20)				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code indicating sender's request for an interchange acknowledgment				
		All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Interchange Usage Indicator	M	ID	1/1	Must use
		Description: Code indicating whether data enclosed by this interchange envelope is test, production or information				
		All valid standard codes are used. (Total Codes: 3)				
ISA16	I15	Component Element Separator	M		1/1	Must use
		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

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
CodeList Summary (Total Codes: 262, Included: 1)						
Code Name						
IN Invoice Information (810)						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
GS05	337	Time	M	TM	4/8	Must use
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
All valid standard codes are used. (Total Codes: 2)						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
CodeList Summary (Total Codes: 54, Included: 1)						

<u>Code</u>	<u>Name</u>
005010	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003

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: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 318, Included: 1)

Code Name

810 Invoice

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

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

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

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	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
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 max length 10 digits				

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.

REF Reference Information

Pos: 0500	Max: 2
Heading - Conditional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: 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	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 2)

Code Name

BM	Bill of Lading Number
IA	Internal Vendor Number

REF02	127	Reference Identification	M	AN	1/50	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1:

When REF01=IA, Max Length = 10

When REF01=BM, Max Length = 30

User Note 1:

Vendor number is mandatory.

Bill of Lading is optional and can be sent at this level or in CAD

Loop Party Identification

Pos: 0700	Repeat: 3
Conditional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0700	N1	Party Identification	C	1		Used
0900	N3	Party Location	C	1		Used
1000	N4	Geographic Location	C	1		Used

N1 Party Identification

Pos: 0700	Max: 1
Heading - Conditional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

CodeList Summary (Total Codes: 1500, Included: 3)

Code Name

RI	Remit To
SF	Ship From
ST	Ship To

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

User Note 1:

*Mandatory for Ship To
Max Length = 25*

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 241, Included: 2)

Code Name

1	D-U-N-S Number, Dun & Bradstreet
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User Note 1:

Only used for N1 SF or RI

92	Assigned by Buyer or Buyer's Agent
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N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

User Note 1: *When Ship To information sent, this location number must be no longer than 7 digits (numeric) and N103 must be qualifier 92*

Max Length = 7

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.

User Note 1:

N1 Ship From and Ship To are mandatory. Remit To is optional.

*When **ST**: N101, 02, 03 and 04 are all required.*

*When **SF**: N101 and N102 are required.*

*If **RI** is sent: N101 and N102 are required.*

N3 Party Location

Pos: 0900	Max: 1
Heading - Conditional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: 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	M	AN	1/55	Must use

Description: Address information

User Note 1:

Max Length=30

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

User Note 1:

Max Length=30

User Note 1:

*mandatory for Ship To
If Remit To is sent, N3 is required*

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Conditional	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: 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	M	AN	2/30	Must use

Description: Free-form text for city name

User Note 1:

Max Length=20

N402	156	State or Province Code	M	ID	2/2	Must use
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Description: Code (Standard State/Province) as defined by appropriate government agency

N403	116	Postal Code	M	ID	3/15	Must use
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Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

User Note 1: *Max Length = 9*

User Note 1:

*mandatory for Ship To
If Remit To is sent, N4 is required*

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: 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	M	ID	2/2	Must use

Description: Code identifying type of payment terms

CodeList Summary (Total Codes: 77, Included: 4)

Code Name

01	Basic
05	Discount Not Applicable
08	Basic Discount Offered
14	Previously agreed upon

ITD12	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

User Note 1:

Terms Description must be in the following format:

*"**Net nn Days**", where nn is the number of days appropriate for your invoice. Note there is a space between the value of "Net" and the numeric value.*

DTM Date/Time Reference

Pos: 1400	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: 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	M	ID	3/3	Must use

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

CodeList Summary (Total Codes: 1280, Included: 1)

<u>Code</u>	<u>Name</u>
011	Shipped

DTM02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1:

Shipped Date

FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Purpose: To specify transportation instructions relating to shipment

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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

All valid standard codes are used. (Total Codes: 31)

Loop Baseline Item Data (Invoice)

Pos: 0100	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	IT1	Baseline Item Data (Invoice)	M	1		Must use
0600		Loop PID	C		5	Used
1800		Loop SAC	O		10	Used

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 15

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:

<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	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	M	R	1/15	Must use
		Description: Number of units invoiced (supplier units)				
		User Note 1: Max Length = 10				
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				
		CodeList Summary (Total Codes: 844, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		EA	Each			
		YD	Yard			
IT104	212	Unit Price	M	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
		User Note 1: Max Length=9				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		All valid standard codes are used. (Total Codes: 91)				
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)				
		CodeList Summary (Total Codes: 519, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CB	Buyer's Catalog Number			
		User Note 1: If this qualifier is sent, the SKU number must be 9 digits				
		EN	EAN/UCC - 13			
		User Note 1: If this qualifier is sent, the EAN number must be 13 digits				
		UP	UCC - 12			
IT107	234	Product/Service ID	M	AN	1/48	Must use

<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				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 519, Included: 6)				
		<u>Code</u>	<u>Name</u>			
		EN	EAN/UCC - 13			
		User Note 1:				
		<i>If this qualifier is sent, the EAN number must be 13 digits</i>				
		ST	Style Number			
		UP	UCC - 12			
		User Note 1:				
		<i>If this qualifier is sent, the UPC number must be 12 digits</i>				
		VA	Vendor's Style Number			
		VN	Vendor's (Seller's) Item Number			
		VP	Vendor's (Seller's) Part Number			
IT109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 519, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CL	Color			
		PA	Pattern Number			
		ST	Style Number			
IT111	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 519, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CL	Color			
		PA	Pattern Number			
		ST	Style Number			
IT113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT114	235	Product/Service ID Qualifier	X	ID	2/2	Used

<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 identifying the type/source of the descriptive number used in Product/Service ID (234)						
CodeList Summary (Total Codes: 519, Included: 3)						
<u>Code</u> <u>Name</u>						
CL Color						
PA Pattern Number						
ST Style Number						
IT115	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						

Syntax Rules:

1. P0607 - If either IT106 or IT107 is present, then the other is required.
2. P0809 - If either IT108 or IT109 is present, then the other is required.
3. P1011 - If either IT110 or IT111 is present, then the other is required.
4. P1213 - If either IT112 or IT113 is present, then the other is required.
5. P1415 - If either IT114 or IT115 is present, then the other is required.

Semantics:

1. IT101 is the line item identification.

Loop Product/Item Description

Pos: 0600	Repeat: 5
Conditional	
Loop: PID	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	PID	Product/Item Description	C	1		Must use

PID Product/Item Description

Pos: 0600	Max: 1
Detail - Conditional	
Loop: PID	Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
PID01	349	Item Description Type	M	ID	1/1	Must use												
Description: Code indicating the format of a description																		
CodeList Summary (Total Codes: 3, Included: 1)																		
<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								
<u>Code</u>	<u>Name</u>																	
F	Free-form																	
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use												
Description: Code identifying the general class of a product or process characteristic																		
CodeList Summary (Total Codes: 238, Included: 5)																		
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>08</td><td>Product</td></tr><tr><td>73</td><td>Vendor color description</td></tr><tr><td>75</td><td>Buyer's Color Description</td></tr><tr><td>78</td><td>Pattern Description</td></tr><tr><td>GEN</td><td>General Description</td></tr></table>							<u>Code</u>	<u>Name</u>	08	Product	73	Vendor color description	75	Buyer's Color Description	78	Pattern Description	GEN	General Description
<u>Code</u>	<u>Name</u>																	
08	Product																	
73	Vendor color description																	
75	Buyer's Color Description																	
78	Pattern Description																	
GEN	General Description																	
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:

Product Description (PID02=08) is required

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1800	Repeat: 10
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800	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

CodeList Summary (Total Codes: 7, Included: 1)

Code Name

A Allowance

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
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Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 3)

Code Name

C310 Discount

D240 Freight

H770 Tax - State Tax

SAC05	610	Amount	M	N2	1/15	Must use
-------	-----	--------	---	----	------	----------

Description: Monetary amount

User Note 1:

Max Length=9

SAC15	352	Description	M	AN	1/80	Must use
-------	-----	-------------	---	----	------	----------

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

TDS Total Monetary Value Summary

Pos: 0100	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:

<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	M	N2	1/15	Must use

Description: Monetary amount

User Note 1:

Max Length=11

Semantics:

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

CAD Carrier Details

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: 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>
CAD01	91	Transportation Method/Type Code	M	ID	1/2	Must use
Description: Code specifying the method or type of transportation for the shipment All valid standard codes are used. (Total Codes: 80)						
CAD04	140	Standard Carrier Alpha Code	X	ID	2/4	Used
Description: Standard Carrier Alpha Code						
CAD05	387	Routing	X	AN	1/35	Used
Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity						
CAD07	128	Reference Identification Qualifier	O	ID	2/3	Used
Description: Code qualifying the Reference Identification CodeList Summary (Total Codes: 1731, Included: 1) <u>Code</u> <u>Name</u> BM Bill of Lading Number						
CAD08	127	Reference Identification	X	AN	1/50	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400	Repeat: 3
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	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:

<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	M	ID	1/1	Must use

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

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

A Allowance

C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
-------	------	--	---	----	-----	----------

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

CodeList Summary (Total Codes: 1090, Included: 3)

Code Name

C310 Discount

D240 Freight

H770 Tax - State Tax

SAC05	610	Amount	M	N2	1/15	Must use
-------	-----	---------------	---	----	------	----------

Description: Monetary amount

SAC15	352	Description	M	AN	1/80	Must use
-------	-----	--------------------	---	----	------	----------

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

Loop Invoice Shipment Summary

Pos: 0600	Repeat: 4
Optional	
Loop: ISS	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	ISS	Invoice Shipment Summary	O	1		Used

ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 4

User Option (Usage): Used

Purpose: 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>
ISS01	382	Number of Units Shipped	X	R	1/10	Used
Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
ISS02	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 844, Included: 4)						
<u>Code</u> <u>Name</u>						
CA Case						
CT Carton						
EA Each						
YD Yard						
ISS03	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
ISS04	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 844, Included: 1)						
<u>Code</u> <u>Name</u>						
LB Pound						

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.

CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

Element Summary:

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

Description: Total number of line items in the transaction set

Comments:

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

SE Transaction Set Trailer

Pos: 0800	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	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						
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.

GE Functional Group Trailer

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

User Option (Usage): Must use

Purpose: 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	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

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

Purpose: 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	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						