

Bluestem Brands, Inc. 810 Invoice

X12/V4010/810: 810 Invoice

Author:	sps commerce
Trading Partner:	
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Notes:	

810 Invoice

Functional Group=**IN**

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
050	REF	Reference Identification	M	1			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	M	1			Must use
150	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		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
050	CTP	Pricing Information	O	25			Used
LOOP ID - PID					3		
060	PID	Product/Item Description	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>
010	TDS	Total Monetary Value Summary	M	1			Must use
LOOP ID - SAC					25		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ISS					≥1		
060	ISS	Invoice Shipment Summary	O	1			Used
070	CTT	Transaction Totals	M	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

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.

User Note 1:

Revision History:

9/6/05 -

** Changed max length of Invoice number from 22 to 21*

10/14/04 -

** Added note in BIG segment on format of PO number*

8/30/04 -

** Changed IT106/07 elements to mandatory*

6/21/04 -

** Changed ITD segment to mandatory*

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

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				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
		User Note 1: <i>Max length = 21</i>				
BIG04	324	Purchase Order Number	M	AN	14/14	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
		User Note 1: <i>Must be 14 characters (First characters are PO with the rest being a number and leading zeros)</i>				

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

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

REF Reference Identification

Pos: 050	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Code Name

IA Internal Vendor Number

REF02	127	Reference Identification	M	AN	1/30	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: Vendor #

Syntax Rules:

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

Semantics:

1. REF04 contains data relating to the value cited in REF02.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

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>
ITD03	338	Terms Discount Percent	O	R	1/6	Used
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 User Note 1: <i>The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</i>						
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
Description: Number of days in the terms discount period by which payment is due if terms discount is earned						
ITD07	386	Terms Net Days	O	N0	1/3	Used
Description: Number of days until total invoice amount is due (discount not applicable)						
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
Description: Total amount of terms discount						
ITD12	352	Description	M	AN	1/80	Must use
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

FOB F.O.B. Related Instructions

Pos: 150	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code Name

CC	Collect
CF	Collect, Freight Credited Back to Customer
MX	Mixed
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)

FOB02	309	Location Qualifier	X	ID	1/2	Used
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Description: Code identifying type of location

Code Name

AC	City and State
DE	Destination (Shipping)
OR	Origin (Shipping Point)

FOB03	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

User Note 1: Free-form name of transportation responsibility location

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 16

User Option (Usage): Must use

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	1/10	Must use
		Description: Number of units invoiced (supplier units)				
		User Note 1: <i>Quantity Invoiced</i>				
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 Name				
		EA Each				
IT104	212	Unit Price	M	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
		User Note 1: <i>The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".</i>				
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 Name				
		SK Stock Keeping Unit (SKU)				
IT107	234	Product/Service ID	M	AN	10/14	Must use
		Description: Identifying number for a product or service				
		User Note 1: <i>Bluestem Brands Inc. SKU number</i>				
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)				
		Code Name				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
IT109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
		User Note 1: <i>UPC</i>				
IT110	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)						
Code Name VP Vendor's (Seller's) Part Number						
IT111	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
User Note 1: <i>Vendor Part #</i>						
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)						
Code Name UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)						
IT113	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
User Note 1: <i>GTIN</i>						
IT114	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)						
Code Name SM National Retail Merchants Association Size Code						
IT115	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
User Note 1: <i>Size Code</i> <i>Max Length = 4</i>						
IT116	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)						
Code Name CM National Retail Merchants Association Color Code						
IT117	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
User Note 1: <i>Color Code</i> <i>Max Length = 4</i>						

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.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 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

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	M	R	1/18	Must use

Description: Monetary amount

User Note 1: *Extended Item Total*

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 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.
2. CTP08 is the rebate amount.

Comments:

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

PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

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	M	ID	1/1	Must use
Description: Code indicating the format of a description All valid standard codes are used.						
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use
Description: Code identifying the general class of a product or process characteristic <u>Code</u> <u>Name</u> 08 Product 73 Vendor color description 74 Vendor size 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:						

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then 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.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

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.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

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	M	N2	1/15	Must use
Description: Monetary amount						
User Note 1: <i>Total Invoice Amount (including charges, less allowances)</i>						
TDS02	610	Amount	M	N2	1/15	Must use
Description: Monetary amount						
User Note 1: <i>Amount subject to Terms Discount (Merchandise Total)</i>						

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

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

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - 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	M	ID	1/1	Must use
Description: Code which indicates an allowance or charge for the service specified						
<u>Code</u> <u>Name</u>						
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						
<u>Code</u> <u>Name</u>						
D240 Freight						
D500 Handling						
F050 Other (See related description)						
I170 Trade Discount						
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						

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.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 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.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

ISS Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Optional	
Loop: ISS	Elements: 4

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>
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						
User Note 1: <i>Total number of eaches shipped</i>						
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						
Code Name						
EA Each						
ISS03	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
User Note 1: <i>Weight</i>						
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						
Code Name						
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.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

CTT Transaction Totals

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

User Option (Usage): Must use

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

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

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

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	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.