832—Price/Sales Catalog

Functional Group = SC

This X12 Transaction Set contains the format and establishes the contents of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment.

Specifically, this transaction set is the canonical format used to load items into Shipvine Logistics Catalog. Before Shipvine can accept your inbound shipments or fulfillment requests, it needs to know basic information about each item, such as its SKU, barcode, and harmonized code.

If an item found in the 832 does not exist in the Shipvine Logistics catalog, it will be added. If it already exists, it will be updated with the information provided in the 832. If an item exists in the Shipvine Logistics Catalog but does not appear in the 832, nothing happens to it (i.e., it is not deleted from the Shipvine Logistics Catalog because it was missing in the 832).

Transaction Set

Heading

POS	ID	NAME	REQ	MAX	REPEAT
	ISA	Interchange Control Header	M	1	
	GS	Functional Group Header	M	1	
0100	ST	Transaction Set Header	M	1	
0200	BCT	Beginning Segment for Price/Sales Catalog	M	1	

Detail

POS	ID	NAME	REQ	MAX	REPEAT
LOOP ID - 2000			M		>1
0100	LIN	Item Identification	M	1	
0700	PID	Product/Item Description	M	3	
0800	MEA	Measurements	M	4	
1650	TC2	Commodity	M	1	
LOOP ID - 2300			M		1
2430	N1	Party Identification	M	1	

Summary

POS	ID	NAME	REQ	MAX	REPEAT
0100	CTT	Transaction Totals	M	1	
0200	SE	Transaction Set Trailer	M	1	
	GE	Functional Group Trailer	M	1	
	IEA	Interchange Control Trailer	M	1	

Segments

ISA—Interchange Control Header

Properties

PROPERTY	VALUE
SECTION	N/A
LOOP	N/A
POS	N/A
MAX	1
ELEMENTS	16

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
ISA01	I01	Authorization Information Qualifier	M	ID	2/2
		<table><tr><td>CODE</td><td>NAME</td></tr><tr><td>00</td><td>No Authorization Information Present</td></tr></table>			
		Note: Unused legacy field, always send "00"			
ISA02	I02	Authorization Information	M	AN	10/10
		Note: Unused legacy field, send spaces			
ISA03	I03	Security Information Qualifier	M	ID	2/2
		<table><tr><td>CODE</td><td>NAME</td></tr><tr><td>00</td><td>No Security Information Present</td></tr></table>			
		Note: Unused legacy field, always send "00"			
ISA04	I04	Security Information	M	AN	10/10
		Note: Unused legacy field, send spaces			

ISA05	I05	Interchange ID Qualifier		M	ID	2/2
		CODE	**NAME**			
		ZZ	Mutually Defined			
		Note: Always send "ZZ"				
ISA06	I06	Interchange Sender ID		M	AN	15/15
		Note: Must be your Shipvine Logistics Merchant Code, right-padded with spaces as necessary				
ISA07	I05	Interchange ID Qualifier		M	ID	2/2
		CODE	**NAME**			
		12	Phone (Telephone Companies)			
		Note: Always send "12"				
ISA08	I07	Interchange Receiver ID		M	AN	15/15
		Note: Always send Shipvine's Receiver ID of "8044333127"				
ISA09	I08	Interchange Date		M	DT	6/6
		Note: UTC Date ISA was generated - YYMMDD				
ISA10	I09	Interchange Time		M	TM	4/4
		Note: 24-hour UTC Time ISA was generated - HHMM				
ISA11	I65	Repetition Separator		M		1/1
		Note: Usually '^'				
ISA12	I11	Interchange Control Version Number Code		M	ID	5/5
		Note: Always send "00801"				
ISA13	I12	Interchange Control Number		M	N0	9/9
		Note: You can use any number, but it should be unique for each message. Commonly starts with "000000001" and increments sequentially.				

| ISA14 | I13 | Acknowledgement Requested Code | M | ID | 1/1 |

CODE	NAME
0	No Interchange Acknowledgment Requested

Note: Not used, always send "0".

| ISA15 | I14 | Interchange User Indicator Code | M | ID | 1/1 |

CODE	NAME
P	Production Data
T	Test Data

Note: Sending "T" will still send the fulfillment request to the production instance, but it will be routed to candidate requests instead of fulfillment requests.

| ISA16 | I15 | Component Element Separator | M | | 1/1 |

Note: Usually '>'

GS—Functional Group Header

Properties

PROPERTY	VALUE
SECTION	N/A
LOOP	N/A
POS	N/A
MAX	1
ELEMENTS	8

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
GS01	479	Functional Identifier Code	M	ID	2/2
		Note: Always send "OW"			
GS02	142	Application Sender's Code	M	AN	2/15
		Note: Send your Shipvine Logistics Merchant Code			
GS03	124	Application Receiver's Code	M	AN	2/15
		Note: Always send Shipvine's Receiver ID of "8044333127"			
GS04	373	Date	M	DT	8/8
		Note: UTC Date GS was generated - CCYYMMDD			
GS05	337	Time	M	DT	4/8
		Note: 24-hour UTC Time GS was generated - HHMM			

For GS01:

CODE	NAME
SC	Price/Sales Catalog

GS06	28	Group Control Number			M	N0	1/9
		Note: You can use any number, but it should be unique for each message. Commonly starts at "000000001" and increments sequentially.					
GS07	455	Responsible Agency Code			M	ID	1/2
		CODE	**NAME**				
		X	Accredited Standards Committee X12				
		Note: Always send "X"					
GS08	480	Version / Release / Identifier Industry Code			M	AN	1/12
		CODE	**NAME**				
		008010	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2019				
		Note: Always send "008010"					

ST—Transaction Set Header

The Transaction Set Header indicates the start of the Transaction Set and assigns a control number.

Properties

PROPERTY	VALUE
SECTION	Heading
LOOP	N/A
POS	0100
MAX	1
ELEMENTS	3

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		CODE / **NAME** — 832 / Price/Sales Catalog			
		Note: Always send "832"			
ST02	329	Transaction Set Control Number	M	AN	4/9
		Note: Must uniquely identify this Transaction Set within the Functional Group. Since the most common convention is one Transaction Set in the Functional Group, it is usually always "0001".			
ST03	1705	Implementation Convention Reference	O	AN	1/35
		Note: Send a mutually-defined code here to activate customizations supported via prior contact with Shipvine Support. In most cases, the field is not used.			

BCT—Beginning Segment for Price/Sales Catalog

Properties

PROPERTY	VALUE
SECTION	Heading
LOOP	N/A
POS	0200
MAX	1
ELEMENTS	1

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
BCT01	683	Catalog Purpose Code	M	ID	2/2

CODE	NAME
SC	Sales Catalog

Note: Always send "SC"

LIN—Item Identification

In the LIN segment, you'll specify the item group SKU, the item group name, the item merchant identifier/SKU, and the item barcodes.

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	2000
POS	0100
MAX	1
ELEMENTS	7

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
LIN01	350	Assigned Identification Note: Not semantically important. A sequential number starting from "1" is fine.	M	AN	1/20
LIN02	235	Product/Service ID Qualifier	M	ID	2/2

CODE	NAME
SK	SKU

Note: Shipvine expects "SK" in LIN02.

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
LIN03	234	Product/Service ID Note: This corresponds to the item SKU/merchant identifier field in the Shipvine Logistics catalog.	M	AN	1/80

| LIN04 | 235 | Product/Service ID Qualifier | M | ID | 2/2 |

CODE	NAME
ST	Style Number

Note: Shipvine expects "ST" in LIN04 to indicate that the merchant identifier for the parent "item group" in the Shipvine Logistics catalog will appear in LIN05.

| LIN05 | 234 | Product/Service ID | M | AN | 1/80 |

Note: This corresponds to the "Merchant Identifier" field at the item group level in the Shipvine Logistics catalog.

| LIN06 | 235 | Product/Service ID Qualifier | M | ID | 2/2 |

CODE	NAME
EN	GTIN-13
UP	GTIN-12
ZZ	Mutually Defined

Note: Shipvine expects all products to have at least one barcode associated with them. Set to "EN" if LIN07 contains an EAN-13, set to "UP" if LIN07 contains a UPC, or set to "ZZ" if the barcode consists of arbitrary text data.

| LIN07 | 234 | Product/Service ID | M | AN | 1/80 |

Note: Set to the product's primary barcode that indicates a single unit.

PID—Product/Item Description

The PID segment allows you to specify the item group name and optionally color and size variations on the item group and item.

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	2000
POS	0700
MAX	3
ELEMENTS	5

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
PID01	349	Item Description Type Code	M	ID	1/1

CODE	NAME
F	Freeform

Note: Only freeform descriptions are supported.

PID02	750	Product/Process Characteristic Code	M	ID	2/3

CODE	NAME
08	Product (Note 1)
73	Vendor color description (Note 2)
74	Vendor size description (Note 2)

Note 1: At least one PID segment is required with "08" to indicate that PID05 corresponds to the name of the item group.

Note 2: If optionally provided, "73" and "74" will map to "Variations" on the item in Shipvine Logistics catalog.

PID03	559	Agency Qualifier Code	O	ID	2/2

Note: Not used.

PID04	751	Product Description Code	O	AN	1/12

Note: Not used.

PID05	352	Description	M	AN	1/80

Note: The text described by PID02.

MEA—Measurements

The MEA segment allows you to specify the unit weight of the item (required) and the dimensions (optional).

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	2000
POS	0800
MAX	4
ELEMENTS	4

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
MEA01	737	Measurement Reference ID Code	M	ID	2/2

CODE	NAME
PD	Physical Dimensions
WT	Weights

Note: If sending dimensions, you're expected to repeat the MEA segment for height, weight, and length

MEA02	738	Measurement Qualifier		M	AN	1/30

CODE	NAME
HT	Height
LN	Length
U	Weight per Unit
WD	Width

Note: "WT" in "MEA01" implies "U" in MEA02

MEA03	739	Measurement Value		M	R	1/20

MEA04	355	Unit or Basis for Measurement Code		M	ID	2/2

CODE	NAME
IN	Inches
LB	Pound

Note: Unit of measurement should be compatible with MEA02.

TC2—Commodity

The TC2 segment allows you to specify the item's Schedule B number (HS code) and is required.

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	2000
POS	1650
MAX	1
ELEMENTS	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
TC201	23	Commodity Code Qualifier	M	ID	1/2
		<table><tr><td>CODE</td><td>NAME</td></tr><tr><td>J</td><td>Harmonized System-Based Schedule B</td></tr></table> Note: Shipvine only accepts 10-digit Schedule B codes without punctuation marks.			
TC202	22	Commodity Code Note: Must be a valid 10-digit Schedule B number without punctuation marks.	M	AN	1/30

N1—Party Identification

The N1 segment in loop 2300 allows you to specify the country of origin (where the item was manufactured), and it's required.

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	2300
POS	2430
MAX	1
ELEMENTS	4

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
N101	98	Entity Identifier Code	M	ID	2/3

CODE	NAME
CT	Country of Origin

Note: Must be "CT"

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
N102	93	Name	O	AN	1/60

Note: Not used.

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
N103	66	Identification Code Qualifier	M	ID	1/2

CODE	NAME
38	Country Code

Note: Indicates that N104 will contain the ISO 3166-1

alpha2 country code.

N104	67	Identification Code	M	AN	2/80

Note: Must be set to the ISO 3166-1 alpha2 country
code for the country of origin.

CTT—Transaction Totals

Properties

PROPERTY	VALUE
SECTION	Summary
LOOP	N/A
POS	0100
MAX	1
ELEMENTS	1

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
CTT01	354	Number of Line Items Note: As a kind of checksum, this is the count of the number of LIN segments in the transaction set.	M	N0	1/6

SE—Transaction Set Trailer

Properties

PROPERTY	VALUE
SECTION	Summary
LOOP	N/A
POS	0200
MAX	1
ELEMENTS	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
SE01	96	Number of Included Segments Note: This is the number of total segments within the transaction set including the ST and SE segments. Do not include segments for the functional group (GS, GE) or the interchange (ISA, IEA) as these are not part of the transaction set.	M	N0	1/10
SE02	329	Transaction Set Control Number Note: This is a repeat of the number you used in the ST02 field on the ST segment.	M	AN	4/9

GE—Functional Group Trailer

Properties

PROPERTY	VALUE
SECTION	N/A
LOOP	N/A
POS	N/A
MAX	1
ELEMENTS	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
GE01	97	Number of Transaction Sets Included Note: This is the number of transaction sets within the functional group, or the number of ST/SE pairs between the GS/GE segments. Since the modern convention is to typically have 1 transaction set per functional group, this is usually just "1".	M	N0	1/6
GE02	28	Group Control Number Note: This is a repeat of the number you used in the GS06 field of the GS segment.	M	N0	1/9

IEA—Interchange Control Trailer

Properties

PROPERTY	VALUE
SECTION	N/A
LOOP	N/A
POS	N/A
MAX	1
ELEMENTS	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
IEA01	I16	Number of Included Functional Groups Note: This is the number of functional groups within the interchange, or the number of GS/GE pairs between the ISA/IEA segments. Since the modern convention is to typically have 1 functional group per interchange, this is usually just "1".	M	N0	1/5
IEA02	I12	Interchange Control Number Note: This is a repeat of the number you used in the ISA13 field of the ISA segment.	M	N0	9/9

Examples

The following section provides example EDI 832 X12 Transaction Sets conforming to this specification.

Basic Example

The following 832 is the simplest catalog data that Shipvine will accept, creating or updating an item group containing a single item.

```
ISA*00*          *00*          *ZZ*CONTOSO        *12*8044333127     *210723*1526*^*00801*000000001*0*P*>~
GS*SC*CONTOSO*8044333127*20210723*1531*000000001*X*008010~
ST*832*0001~
BCT*SC~
LIN*1*SK*4013-100-L*ST*4013*UP*200199427897~
PID*F*08***Men's Jockstrap~
PID*F*73***White~
PID*F*74***Large~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
CTT*1~
SE*14*0001~
GE*1*000000001~
IEA*1*000000001~
```

The above 832 performs the following:

- Creating it if it does not exist and updating if otherwise, then create an item group with
  - the merchant identifier set to "4013"
  - the name set to "Men's Jockstrap"
  - the Schedule B number set to "6107110000"
  - the country of origin set to Thailand
- Within the item group, creating the item if it does not exist and updating if it otherwise, then create an item with
  - SKU set to "4013-100-L"
  - barcode set to "200199427897"
  - a variation named "Color" set to "White"
  - a variation named "Size" set to "Large"
  - dimensions set to 6x4x1 inches
  - unit weight set to 0.3 lb

Complex Example

The following 832 creates two different item groups, a "4013" for "Men's Jockstrap" and a "4035" for "Men's Thong" with S-XL sizes in each for a total of 8 physical items. Note that the information at the item group level (style number and name) is necessarily repeated.

```
ISA*00*          *00*          *ZZ*CONTOSO       *12*8044333127    *210723*1526*^*00801*000000001*0*P*>~
GS*SC*CONTOSO*8044333127*20210723*1531*000000001*X*008010~
ST*832*0001~
BCT*SC~
LIN*1*SK*4013-100-S*ST*4013*UP*200199427897~
PID*F*08***Men's Jockstrap~
PID*F*73***White~
PID*F*74***Small~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*2*SK*4013-100-M*ST*4013*UP*200199427903~
PID*F*08***Men's Jockstrap~
PID*F*73***White~
PID*F*74***Medium~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*3*SK*4013-100-L*ST*4013*UP*200199427910~
PID*F*08***Men's Jockstrap~
PID*F*73***White~
PID*F*74***Large~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*4*SK*4013-100-XL*ST*4013*UP*200199427927~
PID*F*08***Men's Jockstrap~
PID*F*73***White~
PID*F*74***Extra Large~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*5*SK*4035-001-S*ST*4035*UP*200199427941~
PID*F*08***Men's Thong~
PID*F*73***Black~
PID*F*74***Small~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*6*SK*4035-001-M*ST*4035*UP*200199427958~
PID*F*08***Men's Thong~
PID*F*73***Black~
PID*F*74***Medium~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*7*SK*4035-001-L*ST*4035*UP*200199427965~
PID*F*08***Men's Thong~
PID*F*73***Black~
PID*F*74***Large~
```

```
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
LIN*8*SK*4035-001-XL*ST*4035*UP*200199427972~
PID*F*08***Men's Thong~
PID*F*73***Black~
PID*F*74***Extra Large~
MEA*PD*LN*6*IN~
MEA*PD*WD*4*IN~
MEA*PD*HT*1*IN~
MEA*WT*U*0.3*LB~
TC2*J*6107110000~
N1*CT**38*TH~
CTT*8~
SE*84*0001~
GE*1*000000001~
IEA*1*000000001~
```