

846—Inventory Inquiry/Advice

Functional Group = IB

This X12 Transaction Set contains the format and establishes the contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment.

Specifically, this transaction set is the canonical format used by Shipvine to advise a merchant of the physical quantities on hand for all items/SKUs that they have stored at Shipvine.

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	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1	

Detail

POS	ID	NAME	REQ	MAX	REPEAT
LOOP ID - LIN			M		>1
0100	LIN	Item Identification	M	1	
LOOP ID - QTY			M		3
3200	QTY	Quantity Information	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 border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>No Authorization Information Present</td> </tr> </tbody> </table>	CODE	NAME	00	No Authorization Information Present			
CODE	NAME								
00	No Authorization Information Present								
		Note: Unused legacy field, Shipvine always sends "00"							
ISA02	I02	Authorization Information	M	AN	10/10				
		Note: Unused legacy field, Shipvine always sends spaces							
ISA03	I03	Security Information Qualifier	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>No Security Information Present</td> </tr> </tbody> </table>	CODE	NAME	00	No Security Information Present			
CODE	NAME								
00	No Security Information Present								
		Note: Unused legacy field, Shipvine always sends "00"							



ISA04	I04	Security Information	M	AN	10/10				
<p>Note: Unused legacy field, Shipvine always sends spaces</p>									
ISA05	I05	Interchange ID Qualifier	M	ID	2/2				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Phone (Telephone Companies)</td> </tr> </tbody> </table>						CODE	NAME	12	Phone (Telephone Companies)
CODE	NAME								
12	Phone (Telephone Companies)								
<p>Note: Shipvine always sends "12"</p>									
ISA06	I06	Interchange Sender ID	M	AN	15/15				
<p>Note: Shipvine always sends Shipvine's Sender ID of "8044333127"</p>									
ISA07	I05	Interchange ID Qualifier	M	ID	2/2				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>						CODE	NAME	ZZ	Mutually Defined
CODE	NAME								
ZZ	Mutually Defined								
<p>Note: Always send "ZZ"</p>									
ISA08	I07	Interchange Receiver ID	M	AN	15/15				
<p>Note: Shipvine sends your Shipvine Logistics Merchant Code, right-padded with spaces as necessary</p>									
ISA09	I08	Interchange Date	M	DT	6/6				
<p>Note: UTC Date ISA was generated - YYMMDD</p>									
ISA10	I09	Interchange Time	M	TM	4/4				
<p>Note: 24-hour UTC Time ISA was generated - HHMM</p>									
ISA11	I65	Repetition Separator	M		1/1				
<p>Note: Usually '^'</p>									
ISA12	I11	Interchange Control Version Number Code	M	ID	5/5				
<p>Note: Always send "00801"</p>									

ISA13	I12	Interchange Control Number	M	NO	9/9				
<p>Note: Shipvine will start with "000000001" and increment sequentially</p>									
ISA14	I13	Acknowledgement Requested Code	M	ID	1/1				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Interchange Acknowledgment Requested</td> </tr> </tbody> </table>						CODE	NAME	0	No Interchange Acknowledgment Requested
CODE	NAME								
0	No Interchange Acknowledgment Requested								
<p>Note: Not used, Shipvine always send "0".</p>									
ISA15	I14	Interchange User Indicator Code	M	ID	1/1				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> </tbody> </table>						CODE	NAME	P	Production Data
CODE	NAME								
P	Production Data								
<p>Note: Shipvine will always send "P"</p>									
ISA16	I15	Component Element Separator	M		1/1				
<p>Note: Usually '>'</p>									

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				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>IB</td> <td>Inventory Inquiry/Advice</td> </tr> </tbody> </table>	CODE	NAME	IB	Inventory Inquiry/Advice			
CODE	NAME								
IB	Inventory Inquiry/Advice								
		Note: Shipvine always sends "IB"							
GS02	142	Application Sender's Code	M	AN	2/15				
		Note: Shipvine will always send "8044333127"							
GS03	124	Application Receiver's Code	M	AN	2/15				
		Note: Shipvine will always send your Shipvine Logistics Merchant Code							
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							

GS06	28	Group Control Number	M	N0	1/9				
<p>Note: Shipvine starts at "000000001" and increments sequentially.</p>									
GS07	455	Responsible Agency Code	M	ID	1/2				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>						CODE	NAME	X	Accredited Standards Committee X12
CODE	NAME								
X	Accredited Standards Committee X12								
<p>Note: Shipvine always sends "X"</p>									
GS08	480	Version / Release / Identifier Industry Code	M	AN	1/12				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>008010</td> <td>Standards Approved for Publication by ASC X12 Procedures Review Board through December 2019</td> </tr> </tbody> </table>						CODE	NAME	008010	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2019
CODE	NAME								
008010	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2019								
<p>Note: Shipvine always sends "008010"</p>									

ST—Transaction Set Header

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

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	N/A
<i>POS</i>	0100
<i>MAX</i>	1
<i>ELEMENTS</i>	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
ST01	143	Transaction Set Identifier Code	M	ID	3/3				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>846</td> <td>Inventory Inquiry/Advice</td> </tr> </tbody> </table>	CODE	NAME	846	Inventory Inquiry/Advice			
CODE	NAME								
846	Inventory Inquiry/Advice								
		Note: Shipvine always sends "846"							
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".							



BIA—Beginning Segment for Inventory Inquiry/Advice

The W17 segment helps you identify which inbound shipment has been received.

Properties

PROPERTY	VALUE
SECTION	Heading
LOOP	N/A
POS	0200
MAX	1
ELEMENTS	5

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
BIA01	353	Transaction Set Purpose Code	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> </tbody> </table>	CODE	NAME	00	Original			
CODE	NAME								
00	Original								
		Note: Shipvine will always send "00". The value is meaningless.							
BIA02	755	Report Type Code	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>SI</td> <td>Seller Inventory Report</td> </tr> </tbody> </table>	CODE	NAME	SI	Seller Inventory Report			
CODE	NAME								
SI	Seller Inventory Report								
		Note: Shipvine will always send "SI". The value is meaningless.							
BIA03	127	Reference Identification	M	AN	1/80				
		Note: This will be a sequentially incrementing counter that uniquely identifies the inventory report.							



BIA04	373	Date	M	DT	8/8
Note: This is the date that the inventory data was generated, in CCYYMMDD format.					
BIA05	337	Time	M	TM	4/8
Note: 24-hour UTC Time the inventory data was generated - HHMM					

LIN—Item Identification

The LIN segment tells you the SKU/item that we are reporting inventory for in the following QTY segment.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Detail
<i>LOOP</i>	LIN
<i>POS</i>	0100
<i>MAX</i>	1
<i>ELEMENTS</i>	3

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
LIN01	350	Assigned Identification	M	AN	1/20				
Note: This number is not meaningful.									
LIN02	235	Product/Service ID Qualifier	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>SK</td> <td>SKU</td> </tr> </tbody> </table>	CODE	NAME	SK	SKU			
CODE	NAME								
SK	SKU								
Note: Shipvine will always pass the SKU in LIN02/LIN03 and is how most merchants correlate between systems.									
LIN03	234	Product/Service ID	M	AN	1/80				
Note: This corresponds to the "Merchant Identifier/SKU" field on the item in Shipvine Logistics.									

QTY—Quantity Information

This segment is repeated three times for each LIN segment, once to indicate the number of units on hand, again to indicate the number of units allocated to fulfillment requests, and finally to indicate the number available to sell (the difference of the first two).

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	QTY
POS	3200
MAX	1
ELEMENTS	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX								
QTY01	673	Quantity Qualifier	M	ID	2/2								
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>Quantity on Hand</td> </tr> <tr> <td>H8</td> <td>Allocated Quantity</td> </tr> <tr> <td>V2</td> <td>Available Quantity</td> </tr> </tbody> </table>	CODE	NAME	17	Quantity on Hand	H8	Allocated Quantity	V2	Available Quantity			
CODE	NAME												
17	Quantity on Hand												
H8	Allocated Quantity												
V2	Available Quantity												
		Note: These correspond to "Quantity On Hand", "Quantity Reserved", and the difference of these two numbers, respectively.											
QTY02	380	Quantity	M	R	1/15								

CTT—Transaction Totals

Properties

PROPERTY	VALUE
<i>SECTION</i>	Summary
<i>LOOP</i>	N/A
<i>POS</i>	0100
<i>MAX</i>	1
<i>ELEMENTS</i>	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
CTT01	354	Number of Line Items Note: As a kind of checksum, this is the number of LIN segments that appeared in the file.	M	N0	1/6
CTT02	347	Hash Total Note: As a kind of checksum, this is the sum of all QTY02 fields of each QTY segment. Note that this value otherwise has no value to the merchant.	M	R	1/10

SE—Transaction Set Trailer

Properties

PROPERTY	VALUE
<i>SECTION</i>	Summary
<i>LOOP</i>	N/A
<i>POS</i>	0200
<i>MAX</i>	1
<i>ELEMENTS</i>	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 846 X12 Transaction Sets conforming to this specification that you might receive from Shipvine.

Basic Example

The following 846 is just about the simplest 846 that Shipvine will send, representing a merchant who only has a single SKU stored at Shipvine.

```
ISA*00*          *00*          *12*8044333127    *ZZ*CONTOSO          *210728*1120**^*00801*00000001*0*P*>~
GS*IB*8044333127*CONTOSO*20210728*1120*00000001*X*008010~
ST*846*0001~
BIA*00*SI*00000001*20210728*1120~
LIN*113155773729278*SK*4013-100-S~
QTY*17*50~
QTY*H8*30~
QTY*V2*20~
CTT*1*100~
SE*8*0001~
GE*1*00000001~
IEA*1*00000001~
```

In this example, the item with SKU 4013-100-S (and UPC 200199427873) has 50 units physically on hand, 30 of which are allocated to in-flight fulfillment requests, leaving 20 units left available to sell.

Complex Example

The following 846 shows an example of multiple SKUs being returned. Note that for some merchants, the entire 846 document may be quite long.

```
ISA*00*          *00*          *12*8044333127    *ZZ*CONTOSO          *210728*1120**^*00801*00000001*0*P*>~
GS*IB*8044333127*CONTOSO*20210728*1120*00000001*X*008010~
ST*846*0001~
BIA*00*SI*00000001*20210728*1120~
LIN*113155773729278*SK*4013-100-S~
QTY*17*50~
QTY*H8*30~
QTY*V2*20~
LIN*113155775863489*SK*4013-100-M~
QTY*17*100~
QTY*H8*0~
QTY*V2*100~
LIN*114248478715129*SK*4013-100-L~
QTY*17*0~
QTY*H8*0~
QTY*V2*0~
CTT*3*300~
SE*16*0001~
GE*1*00000001~
IEA*1*00000001~
```