

945—Warehouse Shipping Advice

Functional Group = SW

This X12 Transaction Set contains the format and establishes the contents of the Warehouse Shipping Advice Transaction Set (945) 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 that a shipping order (known in Shipvine parlance as a fulfillment request) has been physically shipped from the warehouse (i.e., has a tracking number). It is functionally similar to the Advance Shipment Notification (ASN) Transaction Set (856) but has a different “shape” to the data set and more explicitly defines the third party relationship of the Shipvine warehouse to the merchant.

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	W06	Warehouse Shipment Identification	M	1	
LOOP ID - 0100			M		1
0400	N1	Party Identification	M	1	
0500	N2	Additional Name Information	O	1	
0600	N3	Party Location	M	1	
0700	N4	Geographic Location	M	1	
0900	N9	Extended Reference Information	O	10	



1000	G61	Contact	M	1
1100	G62	Date/Time	M	1
1300	W27	Carrier Details (Warehouse)	M	1

Detail

POS	ID	NAME	REQ	MAX	REPEAT
LOOP ID - 0300			M		>1
0050	LX	Transaction Set Line Number	M	1	
0100	MAN	Marks and Numbers Identification	M	1	
0150	PAL	Pallet Type and Load Characteristics	M	1	
LOOP ID - 0310			M		>1
0200	W12	Warehouse Item Detail	M	1	

Summary

POS	ID	NAME	REQ	MAX	REPEAT
0100	W03	Total Shipment Information (Warehouse)	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> <p>Note: Shipvine always sends "12"</p>						CODE	NAME	12	Phone (Telephone Companies)
CODE	NAME								
12	Phone (Telephone Companies)								
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> <p>Note: Always send "ZZ"</p>						CODE	NAME	ZZ	Mutually Defined
CODE	NAME								
ZZ	Mutually Defined								
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>SW</td> <td>Warehouse Shipping Advice</td> </tr> </tbody> </table>	CODE	NAME	SW	Warehouse Shipping Advice			
CODE	NAME								
SW	Warehouse Shipping Advice								
		Note: Shipvine always sends "SW"							
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>945</td> <td>Warehouse Shipping Advice</td> </tr> </tbody> </table>	CODE	NAME	945	Warehouse Shipping Advice			
CODE	NAME								
945	Warehouse Shipping Advice								
		Note: Shipvine always sends "945"							
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".							



W06—Warehouse Shipment Identification

The W06 segment helps you identify which order or fulfillment request was shipped.

Properties

PROPERTY	VALUE
SECTION	Heading
LOOP	N/A
POS	0200
MAX	1
ELEMENTS	6

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
W0601	514	Reporting Code	M	ID	1/1				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>J</td> <td>Original Transaction</td> </tr> </tbody> </table>	CODE	NAME	J	Original Transaction			
CODE	NAME								
J	Original Transaction								
		Note: Shipvine will always send "J"							
W0602	285	Depositor Order Number	M	AN	1/22				
		Note: This should be your order number and corresponds to the "Merchant Identifier" field on the fulfillment request in Shipvine Logistics. It will be the same as the Depositor Order Number that you sent in W0502 on the 940 Transaction Set.							
W0603	373	Date	M	DT	8/8				
		Note: This will be the date the fulfillment request was marked as shipped in CCYYMMDD format.							
W0604	145	Shipment Identification Number	O	AN	1/22				
		Note: This will be the tracking number. On multiple parcel shipments, it will correspond to the master							



tracking number on box 1. You would need to inspect the MAN segments on subsequent lines for additional detail.					
W0605	531	Agent Shipment ID Number	O	AN	1/12
Note: Unused.					
W0606	324	Purchase Order Number	O	AN	1/22
Note: This corresponds to the "Customer Identifier" field on the fulfillment request in Shipvine Logistics and is your customer's PO number if it was provided in the W0503 field on the 940 Transaction Set.					

N1—Party Identification

For Shipvine Logistics, the N1 segment corresponds to the “Personal Name” field on the fulfillment request.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	0100
<i>POS</i>	0400
<i>MAX</i>	1
<i>ELEMENTS</i>	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
N101	98	Entity Identifier Code	M	ID	2/3				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>ST</td> <td>Ship To</td> </tr> </tbody> </table>	CODE	NAME	ST	Ship To			
CODE	NAME								
ST	Ship To								
		Note: Always send “ST”							
N102	93	Name	M	AN	1/30				
		Note: This corresponds to the “Personal Name” field on the fulfillment request.							

N2—Additional Name Information

For Shipvine Logistics, the optional N2 segment corresponds to the “Company Name” field on the fulfillment request.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	0100
<i>POS</i>	0500
<i>MAX</i>	1
<i>ELEMENTS</i>	1

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
N201	93	Name	M	AN	1/30
<p>Note: This corresponds to the “Company Name” field on the fulfillment request in Shipvine Logistics.</p>					

N3—Party Location

For Shipvine Logistics, the N3 segment provides the two street address lines on the shipping address.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	0100
<i>POS</i>	0600
<i>MAX</i>	1
<i>ELEMENTS</i>	2

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
N301	166	Address Information Note: You can think of this as "Street Line 1".	M	AN	1/30
N302	166	Address Information Note: You can think of this as "Street Line 2".	O	AN	1/55

N4—Geographic Location

For Shipvine Logistics, the N4 segment completes the shipping address by specifying the city, state, postal code, and country.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	0100
<i>POS</i>	0700
<i>MAX</i>	1
<i>ELEMENTS</i>	6

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
N401	19	City Name	M	AN	2/30				
N402	156	State or Province Code Note: If the state or province fits in two characters, it will appear in this field. Otherwise, Shipvine will send it in N405 and N406.	O	ID	2/2				
N403	116	Postal Code	O	ID	3/15				
N404	26	Country Code Note: Will be sent as the ISO 3166-1 alpha2 code.	M	ID	2/2				
N405	309	Location Qualifier <table border="1" data-bbox="453 1619 963 1747"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>SP</td> <td>State or Province</td> </tr> </tbody> </table> Note: Shipvine sends "SP" here to indicate that we are sending information in N406 instead of N402. If we sent it in N402, this will be blank.	CODE	NAME	SP	State or Province	O	ID	1/2
CODE	NAME								
SP	State or Province								

N406	310	Location Identifier	X	AN	1/30
Note: Specifies the "State or Province" field if not provided in N402.					

Notes

- Shipvine may use N402 or N405 with N406 to specify the "State or Province" field, but not both.

N9—Extended Reference Information

The optional N9 segment specifies additional information about the shipment.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	N/A
<i>POS</i>	0900
<i>MAX</i>	10
<i>ELEMENTS</i>	3

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX										
N901	128	Reference Identification Qualifier	M	ID	2/3										
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>XY</td> <td>Other Unlisted Type of Reference Number (Note 1)</td> </tr> <tr> <td>BM</td> <td>Bill of Lading Number (Note 2)</td> </tr> <tr> <td>MB</td> <td>Master Bill of Lading (Note 2)</td> </tr> <tr> <td>SAT</td> <td>Sub Account (Note 3)</td> </tr> </tbody> </table>	CODE	NAME	XY	Other Unlisted Type of Reference Number (Note 1)	BM	Bill of Lading Number (Note 2)	MB	Master Bill of Lading (Note 2)	SAT	Sub Account (Note 3)			
CODE	NAME														
XY	Other Unlisted Type of Reference Number (Note 1)														
BM	Bill of Lading Number (Note 2)														
MB	Master Bill of Lading (Note 2)														
SAT	Sub Account (Note 3)														
<p>Note 1: "X1" indicates that we are passing back to you the same metadata that you sent to us in the 940 Transaction Set in N902 and N903.</p> <p>Note 2: When specified, bill of lading numbers will be in GS1 format.</p> <p>Note 3: When specified, indicates which "Merchant Return Profile" was used when generating documentation.</p>															

N902	127	Reference Identification	M	AN	1/80
Note: When N901 is "XY", this corresponds to the "Name" of the metadata entry.					
N903	369	Free-form Description	O	AN	1/255
Note: When N901 is "XY", this corresponds to the "Value" of the metadata entry.					

G61—Contact

For Shipvine Logistics, the G61 contact provides the “Phone” and “E-mail Address” fields of the shipping address.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	N/A
<i>POS</i>	1000
<i>MAX</i>	2
<i>ELEMENTS</i>	4

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
G6101	366	Contact Function Code	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>RE</td> <td>Receiving Contact</td> </tr> </tbody> </table>	CODE	NAME	RE	Receiving Contact			
CODE	NAME								
RE	Receiving Contact								
		Note: Always send “RE”							
G6102	93	Name	M	AN	1/30				
		Note: The standard requires this field, so we repeat N102.							

G6103	03	Communication Number Qualifier	M	ID	2/2						
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>	CODE	NAME	EM	Electronic Mail	TE	Telephone			
CODE	NAME										
EM	Electronic Mail										
TE	Telephone										
		<p>Note: You can repeat the G61 segment if you need to specify both an e-mail address and a telephone number on the fulfillment request.</p>									
G6104	364	Communication Number	M	AN	1/30						

G62—Date/Time

The G62 segment provides information about when the order was shipped.

Properties

PROPERTY	VALUE
SECTION	Heading
LOOP	N/A
POS	1100
MAX	1
ELEMENTS	5

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
G6201	432	Date Qualifier	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Shipped On This Date</td> </tr> </tbody> </table>	CODE	NAME	11	Shipped On This Date			
CODE	NAME								
11	Shipped On This Date								
		Note: Shipvine always sends "11"							
G6202	373	Date	M	DT	8/8				
		Note: The date the shipment was shipped in CCYYMMDD format.							
G6203	176	Time Qualifier	M	ID	1/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Original Transaction</td> </tr> </tbody> </table>	CODE	NAME	0	Original Transaction			
CODE	NAME								
0	Original Transaction								
		Note: Shipvine always sends "0"							
G6204	337	Time	M	TM	4/8				
		Note: The time the shipping label was generated in HHMM format.							

G6205	623	Time Code	M	ID	2/2				
		<table border="1"><thead><tr><th>CODE</th><th>NAME</th></tr></thead><tbody><tr><td>UT</td><td>Universal Time Coordinate</td></tr></tbody></table>	CODE	NAME	UT	Universal Time Coordinate			
CODE	NAME								
UT	Universal Time Coordinate								
<p>Note: Shipvine always communicates dates and times in UTC</p>									

W27—Carrier Details (Warehouse)

The W27 segment indicates by what shipping service (carrier and product, such as “FedEx Home Delivery”) a fulfillment request was shipped.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Heading
<i>LOOP</i>	N/A
<i>POS</i>	1300
<i>MAX</i>	1
<i>ELEMENTS</i>	3

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX										
W2701	91	Transportation Method/Type Code	M	ID	1/2										
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>Mail</td> </tr> <tr> <td>U</td> <td>Private Parcel Service</td> </tr> <tr> <td>H</td> <td>Customer Pickup</td> </tr> <tr> <td>M</td> <td>Motor (Common Carrier)</td> </tr> </tbody> </table>	CODE	NAME	7	Mail	U	Private Parcel Service	H	Customer Pickup	M	Motor (Common Carrier)			
CODE	NAME														
7	Mail														
U	Private Parcel Service														
H	Customer Pickup														
M	Motor (Common Carrier)														
		Note: More usefully detailed information is provided in W2702 and W2703.													
W2702	140	Standard Carrier Alpha Code	O	ID	2/4										
		Note: Not all shipping methods include a SCAC.													



W2703	387	Routing	M	AN	1/35
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Note: This will be the full name of the shipping service used such as "USPS Priority Mail" or "FedEx SmartPost" and will be suitable for display to the customer.

LX—Transaction Set Line Number

Unlike the 940 Transaction Set where each LX loop corresponds to a line in the fulfillment request, the LX loops here in the 945 reply correspond to the boxes in the shipment.

Most fulfillment requests ship out in a single bag or box, so you'll see one LX loop with multiple W12 segments corresponding to the line items shipped in the fulfillment request.

However, for a multiple parcel shipment, the combination of the LX, MAN, and PAL segments allow you reconstruct the pack-level detail required to generate an 856 to a vendor.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Detail
<i>LOOP</i>	0300
<i>POS</i>	0050
<i>MAX</i>	1
<i>ELEMENTS</i>	1

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
LX01	554	Assigned Number	M	N0	1/9
		Note: This is just the box number in the shipment, starting from "1".			

MAN—Marks and Numbers Information

The MAN segments contain individual parcel tracking numbers (such as in a multiple parcel shipment) and SSCC numbers, allowing you to reconstruct pack-level detail for generation of an 856 to a vendor.

Properties

PROPERTY	VALUE
SECTION	Detail
LOOP	0300
POS	0100
MAX	1
ELEMENTS	5

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CP</td> <td>Carrier-Assigned Package ID Number</td> </tr> </tbody> </table>	CODE	NAME	CP	Carrier-Assigned Package ID Number			
CODE	NAME								
CP	Carrier-Assigned Package ID Number								
		Note: This will always be "CP" to indicate the tracking number (for example, a USPS, FedEx, or UPS tracking number).							
MAN02	87	Marks and Numbers	M	AN	1/48				
		Note: This will be the carrier's tracking number, suitable for e-mailing to the customer.							
MAN03	87	Marks and Numbers	O	AN	1/48				
		Note: Unused. This field is always blank.							

MAN04	88	Marks and Numbers Qualifier	O	ID	1/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>GM</td> <td>EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier</td> </tr> </tbody> </table>	CODE	NAME	GM	EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier			
CODE	NAME								
GM	EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier								
<p>Note: If GS1-128 (UCC/SSCC) labels were requested, this will contain code "GM" to indicate that MAN05 is populated.</p>									
MAN05	87	Marks and Numbers	O	AN	1/48				
<p>Note: If MAN04 indicates "GM", then this field will be filled with the 2-digit Application Identifier (00) + 18-digit SSCC number for a total of 20 digits.</p>									

PAL—Pallet Type and Load Characteristics

The PAL segment, originally intended for communicating information about palletized shipments, communicates the individual box dimensions and weight.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Detail
<i>LOOP</i>	0300
<i>POS</i>	0150
<i>MAX</i>	1
<i>ELEMENTS</i>	12

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX
PAL01	883	Pallet Type Code Note: Unused.	O	ID	1/2
PAL02	884	Pallet Tiers Note: Unused.	O	N0	1/3
PAL03	885	Pallet Blocks Note: Unused.	O	N0	1/3
PAL04	356	Pack Note: Contains the total number of individual units (EA) contained within the box.	M	N0	1/6
PAL05	395	Unit Weight Note: Unused.	O	R	1/8
PAL06	355	Unit Or Basis for Measurement Code Note: Unused.	O	ID	2/2

PAL07	82	Length	O	R	1/8				
Note: Contains the length of the box, if known.									
PAL08	189	Width	O	R	1/8				
Note: Contains the width of the box, if known.									
PAL09	65	Height	O	R	1/8				
Note: Contains the height of the box, if known.									
PAL10	355	Unit or Basis for Measurement Code	O	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>IN</td> <td>Inch</td> </tr> </tbody> </table>	CODE	NAME	IN	Inch			
CODE	NAME								
IN	Inch								
Note: Shipvine always expresses lengths in inches. This field will be blank if the dimensions are not known.									
PAL11	385	Gross Weight per Pack	M	R	1/9				
Note: Will contain the weight of the box.									
PAL12	355	Unit or Basis for Measurement Code	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>LB</td> <td>Pound</td> </tr> </tbody> </table>	CODE	NAME	LB	Pound			
CODE	NAME								
LB	Pound								
Note: Shipvine will always express the weight in pounds.									

W12—Warehouse Item Detail

This segment details which items were in the box described by the surrounding 0300 loop, providing you with the necessary pack-level detail to construct an 856.

Properties

PROPERTY	VALUE
<i>SECTION</i>	Detail
<i>LOOP</i>	0310
<i>POS</i>	0200
<i>MAX</i>	1
<i>ELEMENTS</i>	8

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
W1201	368	Shipment/Order Status Code	M	ID	2/2				
		<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Shipment Complete on (Date)</td> </tr> </tbody> </table>	CODE	NAME	CC	Shipment Complete on (Date)			
CODE	NAME								
CC	Shipment Complete on (Date)								
		<p>Note: Shipvine does not accept backorders, so you'll always see "CC" here.</p>							
W1202	380	Quantity	M	R	1/15				
		<p>Note: This is the total quantity ordered on the fulfillment request. In a single parcel shipment, it will be the same as W1203. In a multiple parcel shipment, W1203 is the field to look at for constructing pack-level detail.</p>							
W1203	382	Number of Units Shipped	M	R	1/10				
		<p>Note: The number of units in the box described by the current 0300 loop. Use this field to construct pack-level detail.</p>							

W1204	383	Quantity Difference	O	R	1/9				
<p>Note: Not used.</p>									
W1205	355	Unit or Basis of Measurement Code	M	ID	2/2				
<table border="1"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table> <p>Note: Shipvine always communicates per unit, so you'll always see "EA" here.</p>						CODE	NAME	EA	Each
CODE	NAME								
EA	Each								
W1206	438	U.P.C. Case Code	O	AN	12/12				
<p>Note: If your SKU has a valid 12-digit UPC, it will be repeated here; otherwise, it will be blank. For most merchants, W1208 is a more reliable field to determine which item is being described.</p>									
W1207	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>Stock Keeping Unit (SKU)</td> </tr> </tbody> </table> <p>Note: This will always be "SK" to indicate that W1208 contains the item SKU.</p>						CODE	NAME	SK	Stock Keeping Unit (SKU)
CODE	NAME								
SK	Stock Keeping Unit (SKU)								
W1208	234	Product/Service ID	M	AN	1/80				
<p>Note: This will be your item's "Merchant Identifier/SKU" field in Shipvine Logistics and is the most reliable field for determining what item is being described.</p>									

W03—Total Shipment Information (Warehouse)

Properties

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

Elements

REF	ID	ELEMENT NAME	REQ	TYPE	MIN/MAX				
W0301	382	Number of Units Shipped Note: As a kind of checksum, this is the sum of all units shipped on the fulfillment request.	M	R	1/10				
W0302	81	Weight Note: As a kind of checksum, this is the sum of all weights of all boxes in the fulfillment request.	M	R	1/10				
W0303	355	Unit or Basis for Measurement Code <table border="1" data-bbox="453 1375 961 1505"> <thead> <tr> <th>CODE</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>LB</td> <td>Pound</td> </tr> </tbody> </table> Note: Shipvine will always express the weight in pounds.	CODE	NAME	LB	Pound	M	ID	2/2
CODE	NAME								
LB	Pound								

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
<i>SECTION</i>	N/A
<i>LOOP</i>	N/A
<i>POS</i>	N/A
<i>MAX</i>	1
<i>ELEMENTS</i>	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 945 X12 Transaction Sets conforming to this specification that you might receive from Shipvine.

Basic Example

The following 945 is just about the simplest 945 that Shipvine will send, representing a business-to-consumer order that shipped out in a single box.

```

ISA*00*          *00*          *12*8044333127      *ZZ*CONTOSO          *210728*0754**^*00801*00000001*0*P*>~
GS*SW*8044333127*CONTOSO*20210728*0754*00000001*X*008010~
ST*945*0001~
W06*J*#4035.1*20210728*9200190193252501251766**#4035~
N1*ST*John Q. Public~
N3*123 Main St~
N4*Richmond*VA*23224-3716*US~
N9*XY*Sync.Source*Shopify~
G61*RE*John Q. Public*EM*john@example.com~
G61*RE*John Q. Public*TE*18045551234~
G62*11*20210728*0*0754*UT~
W27*7*USPS*USPS First Class Mail~
LX*1~
MAN*CP*9200190193252501251766~
PAL***1***6*4*4*IN*0.75*LB~
W12*CC*1*1**EA*829009502380*SK*4013-BLACK-S~
W03*1*0.75*LB~
SE*16*0001~
GE*1*00000001~
IEA*1*00000001~
  
```

Complex Example

The following 945 specifies a fulfillment request that shipped out in multiple parcels that had GS1-128 (SSCC) labels applied. Note the repeated LX loops to indicate the individual cartons and provide the pack-level detail.

```

ISA*00*          *00*          *12*8044333127      *ZZ*CONTOSO          *210728*0754**^*00801*00000001*0*P*>~
GS*SW*8044333127*CONTOSO*20210728*0754*00000001*X*008010~
ST*945*0001~
W06*J*213542584*20210728*0730110145**20006645~
N1*ST*Central States DC~
N2*Nordstrom~
N3*5050 Chavenelle Rd~
N4*Dubuque*IA*52002-2616*US~
N9*BM*08157590200000335~
G61*RE*Central States DC*TE*+18045551234~
G62*11*20210728*0*0754*UT~
W27*M*AVRT*Averitt Express~
LX*1~
MAN*CP*20006645**GM*00008157590200001226~
PAL***15***16*12*10*IN*12.5*LB~
W12*CC*10*5**EA*829009502380*SK*4013-100-S~
W12*CC*10*10**EA*829009502380*SK*4013-100-M~
LX*2~
MAN*CP*20006645**GM*00008157590200001233~
PAL***5***16*12*4*IN*4*LB~
W12*CC*10*5**EA*200199402368*SK*4013-100-S~
  
```



W03*20*16.5*LB~
SE*21*0001~
GE*1*00000001~
IEA*1*00000001~

In this above example, the fulfillment request

- Shipped out via Averitt Express with PRO Number 20006645
- Contained a total of 20 units across 2 SKUs that shipped out in 2 cartons
- The first carton had SSCC number 00008157590200001226 and contained 5 units of 4013-100-S and 10 units of 4013-100-M in a 16" x 12" x 10" box that weighed 12.5 lbs.
- The second carton had SSCC number 00008157590200001233 and contained 5 units of 4013-100-S in a 16" x 12" x 4" box that weighed 4 lbs.