945 Warehouse Shipping Advice

X12/V4010/945 : 945 Warehouse Shipping Advice

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Author:	cwachtel
Company:	OpenText
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945 Warehouse Shipping Advice

Functional Group=SW

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Warehouse Shipping Advice Transaction Set (945) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by the warehouse to advise the depositor that shipment was made. It is used to reconcile order quantities with shipment quantities.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	W06	Warehouse Shipment Identification	M	1			Must use
LOOP ID - 0100					**10**		
040	N1	Name	M	1			Must use
110	G62	Date/Time	O	5			Must use
130	W27	Carrier Detail	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**>1**		
005	LX	Assigned Number	O	1			Used
010	MAN	Marks and Numbers	O	>1			Used
LOOP ID - 0310					**>1**		
020	W12	Warehouse Item Detail	O	1			Must use
040	N9	Reference Identification	O	200			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	W03	Total Shipment Information	O	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	**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:

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

> **Description:** Code uniquely identifying a Transaction Set
>
> **Code List Summary** (Total Codes: 298, Included: 1)
>
> | Code | Name |
> |---|---|
> | 945 | Warehouse Shipping Advice |

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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).

Example:

*ST*945*0001~*

W06 Warehouse Shipment Identification

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 5**

User Option (Usage): Must use

Purpose: To provide identifying numbers, dates, and other basic data for this transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0601	514	**Reporting Code**	M	ID	1/1	Must use

Description: Code specifying the basis used when reporting shipment information

Code List Summary (Total Codes: 13, Included: 1)

Code	Name
F	Full Detail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0602	285	**Depositor Order Number**	O	AN	1/22	Must use

Description: Identifying number for warehouse shipping order assigned by the depositor

Hershey Usage:
Hershey Delivery Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0603	373	**Date**	O	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Hershey Usage:
Actual ship date (YYYYMMDD)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0604	145	**Shipment Identification Number**	O	AN	1/30	Used

Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0606	324	**Purchase Order Number**	O	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Semantics:

1. W0603 is the actual date on which shipment was made.

Example:

*W06*F*0085658187*20210812*SID0689046**7323065~*

Loop Name

Pos: 040	**Repeat: 10**
Mandatory	
Loop: 0100	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
040	N1	Name	M	1		Must use

Example:

N1*SF*ATLANTA BONDED WAREHOUSE CORP*91*3055~
N1*ST*CVS DIST CENTER*91*0001048110~

N1   Name

<table>
<tr><td>Pos: 040</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: 0100</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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

    Code List Summary (Total Codes: 1312, Included: 2)

Code	Name
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

    Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Must use

    Description: Code designating the system/method of code structure used for Identification Code (67)

    Code List Summary (Total Codes: 215, Included: 1)

Code	Name
91	Assigned by Seller or Seller's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Must use

    Description: Code identifying a party or other code

Hershey Usage:

Hershey assigned plant or customer number; Hershey assigned warehouse number in Ship-from segment

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.

Example:

N1*SF*ATLANTA BONDED WAREHOUSE CORP*91*3055~
N1*ST*CVS DIST CENTER*91*0001048110~

Hershey Usage:

Must send one segment each for Ship-from and Ship-to.

G62 Date/Time

Pos: 110	**Max: 5**
Heading - Optional	
Loop: N/A	**Elements: 5**

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Must use

Description: Code specifying type of date

Code List Summary (Total Codes: 137, Included: 1)

Code	Name
11	Shipped on This Date

> **Hershey Usage:**
> *Date carrier signs for load*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	X	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6203	176	**Time Qualifier**	X	ID	1/2	Must use

Description: Code specifying the reported time

Code List Summary (Total Codes: 42, Included: 1)

Code	Name
A	Actual Departure Time

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6204	337	**Time**	X	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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6205	623	**Time Code**	O	ID	2/2	Must use

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Code List Summary (Total Codes: 51, Included: 4)

Code	Name
CT	Central Time
ET	Eastern Time
MT	Mountain Time
PT	Pacific Time

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.

2. P0102 - If either G6201 or G6202 is present, then the other is required.

3. P0304 - If either G6203 or G6204 is present, then the other is required.

Example:

G62*11*20210812*A*102841*ET~

W27 Carrier Detail

<table>
<tr><td>Pos: 130</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify details of the transportation equipment and carrier routing details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2701	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

Code List Summary (Total Codes: 71, Included: 5)

Code	Name
D	Parcel Post
H	Customer Pickup
M	Motor (Common Carrier)
R	Rail
PT	Pooled Truck

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2702	140	**Standard Carrier Alpha Code**	X	ID	2/4	Must use

Description: Standard Carrier Alpha Code

Hershey Usage:
Carrier SCAC

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2703	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

Hershey Usage:
Trailer Number

Syntax Rules:

1. R0203 - At least one of W2702 or W2703 is required.

Semantics:

1. W2702 is required when W2701 equals "D", "H", "M", "R", or "PT".

Example:

*W27*M*ENGC*26301~*

Loop Assigned Number

<table>
<tr><td>Pos: 005</td><td>Repeat: >1</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td colspan="2">Loop: 0300   Elements: N/A</td></tr>
</table>

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
005	LX	Assigned Number	O	1		Used
010	MAN	Marks and Numbers	O	>1		Used
020		Loop 0310	O		>1	Must use

Example:

*LX*1~*
*MAN*GM*00100340005503872040~*

LX   Assigned Number

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Example:

*LX*1~*

MAN   Marks and Numbers

Pos: 010	**Max: >1**
Detail - Optional	
Loop: 0300	**Elements: 2**

User Option (Usage): Used

Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Must use

Description: Code specifying the application or source of Marks and Numbers (87)

Code List Summary (Total Codes: 20, Included: 1)

Code	Name
GM	SSCC-18 and Application Identifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN02	87	**Marks and Numbers**	M	AN	1/48	Must use

Description: Marks and numbers used to identify a shipment or parts of a shipment

Hershey Usage:

UCC 128# - If carton marking customer

Pallet ID - If stock transfer order

Example:

MAN*GM*00100340005503872040~

Hershey Usage:

Must use if shipment is going to a carton marking customer.

Loop Warehouse Item Detail

Pos: 020	**Repeat: >1**
Optional	
Loop: 0310	**Elements: N/A**

User Option (Usage): Must use

Purpose: To designate those line items that were shipped

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
020	W12	Warehouse Item Detail	O	1		Must use
040	N9	Reference Identification	O	200		Used

Example:

W12*CC*5*5*0*CA**VN*3400093852000*********PL*000010~
N9*BT*12345~
N9*PC*14JUSE~

W12 Warehouse Item Detail

Pos: 020	**Max: 1**
Detail - Optional	
Loop: 0310	**Elements: 10**

User Option (Usage): Must use

Purpose: To designate those line items that were shipped

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1201	368	**Shipment/Order Status Code**	M	ID	2/2	Must use

Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Code List Summary (Total Codes: 102, Included: 1)

Code	Name
CC	Shipment Complete on (Date)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1202	330	**Quantity Ordered**	O	R	1/15	Used

Description: Quantity ordered

W1203	382	**Number of Units Shipped**	O	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

Hershey Usage:

Actual quantity shipped

W1204	383	**Quantity Difference**	O	R	1/9	Used

Description: Numeric value of variance between ordered and shipped quantities

W1205	355	**Unit or Basis for Measurement Code**	O	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

Hershey Usage:

Same unit of measurement received on 940

Code List Summary (Total Codes: 794, Included: 2)

Code	Name
CA	Case
PL	Pallet/Unit Load

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1207	235	**Product/Service ID Qualifier**	X	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	Name
VN	Vendor's (Seller's) Item Number

W1208	234	**Product/Service ID**	X	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage

Hershey Usage:
Hershey's 13-digit material number
5 - Manufacturer ID
5 - Case Code
3 - Item Version

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1217	235	**Product/Service ID Qualifier**	X	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name
PL   Purchaser's Order Line Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1218	234	**Product/Service ID**	X	AN	1/48	Must use

Description: Identifying number for a product or service

Hershey Usage:
Product Line Sequence #
6-digit line - same as on the 940 - W0107

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1219	892	**Line Item Change Reason Code**	O	ID	2/2	Used

Description: Code defining reason for any difference between quantity ordered and quantity shipped for a line item

Hershey Usage:
Must be used if W1204 is not 0 (zero).

Code List Summary (Total Codes: 25, Included: 10)

Code Name

01   Out of Stock

Hershey Usage:
Code requested is unavailable.

04   On Hold

Hershey Usage:
Product Hold - Quality Assurance/Damaged/Aged at time of shipment.

07   Inventory Discrepancy

08   Material Shortage

Hershey Usage:
Distressed/Donated/Destroyed items not available.

09   Substitution

13   Product Allocation Exceeded

Hershey Usage:
Over-Committed Item - Demand exceeds supply. No inter-facility transfer scheduled to satisfy demand.

14   Improperly Sized Order

Hershey Usage:
Space Cut. Improperly sized order, improperly sized equipment, or incorrect equipment.

16   Insufficient Equipment Space

Hershey Usage:

Code	Name
	Weight Cut.
20	Late Stock Transfer
	Hershey Usage:
	Inter-facility transfer issue form Plant/Co-Pack/Co-Manufacturer/Warehouse - Product is being cut because inter-facility transfer did not arrive.
24	Product Withdrawn
	Hershey Usage:
	Third Party Warehouse, service issue - All other reasons other than these specifically defined

Syntax Rules:

1. R0607 - At least one of W1206 or W1207 is required.
2. P0708 - If either W1207 or W1208 is present, then the other is required.
3. P1718 - If either W1217 or W1218 is present, then the other is required.

Semantics:

1.

Example:

*W12*CC*5*5*0*CA**VN*3400093852000*********PL*000010~*

N9   Reference Identification

<table>
<tr><td>Pos: 040</td><td>Max: 200</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0310</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 2)

Code	Name
BT	Batch Number
PC	Production Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Hershey Usage:

Optional segment; only need to return if shipment is stock transfer - to be used on advance ship notice to receiving facility

Example:

```
N9*BT*12345~
N9*PC*14JUSE~
```

Hershey Usage:

Must use if shipment is a stock transfer order or an international shipment.

W03 Total Shipment Information

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

Purpose: To provide totals relating to the shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0301	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

Hershey Usage:
Total quantity shipped (units)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0302	81	**Weight**	O	R	1/10	Used

Description: Numeric value of weight

Hershey Usage:
Total weight shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0303	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 List Summary (Total Codes: 794, Included: 1)

Code	Name
LB	Pound

Syntax Rules:

1. C0203 - If W0302 is present, then W0303 is required.

Example:

W03*15*67.2*LB~

SE Transaction Set Trailer

Pos: 020   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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Example:

*SE*22*0001~*