945 Warehouse Shipping Advice

X12/V4010/945 : 945 Warehouse Shipping Advice

Version: 1.0 Final

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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
090	N9	Reference Identification	M	10			Must use
110	G62	Date/Time	O	5			Must use
130	W27	Carrier Detail	O	1			Used
150	W10	Warehouse Additional Carrier Information	O	10			Not 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

Hershey Description:

Assigned unique control number

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*287820001*

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: 3)

Code	Name
F	Full Detail
J	Original Transaction
P	Production Receipt, Full Detail

Hershey Usage:

'J' is used for 1st EDI 945 as Original/Create
'P' is used for 2nd EDI 945 as Change/Update

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

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

Hershey Description:

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 Description:

Actual ship date (CCYYMMDD)

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

Hershey Usage:

Ten (10) digits must always be sent for the Stock Transport Order (STO) in the W0606. When the Stock Transport Order (STO) is less then 10 digits, leading zeros must be added. Example: 0041123456

Semantics:

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

Example:

*W06*J**20210902*0000000000**4502961772*

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*ST*HERSHEY COMPANY (THE)*91*0000037882
N1*SF*Trading Partner*91*1157

N1 Name

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 Description:

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*ST*HERSHEY COMPANY (THE)*91*0000037882*
*N1*SF*Trading Partner*91*1157*

Hershey Usage:

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

N9 Reference Identification

User Option (Usage): Must use

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: 1)

Code	Name
OQ	Order Number

> **Hershey Description:**
> *Code OQ - Used for Co Man's Order Number*

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 Description:**
> *Must include Co-Man's order number for cross reference to the Hershey delivery number.*

Example:

*N9*OQ*0030553026*

Hershey Usage:

Reference numbers pertaining to the entire order as a whole should be put in the header section of the transaction set. Reference numbers pertaining to individual line items should appear in the detail portion of the transaction set.

G62 Date/Time

<table>
<tr><td>Pos: 110</td><td>Max: 5</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 5</td></tr>
</table>

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*20210902*A*0000*ET

W27 Carrier Detail

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 Description:
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 Description:
Delivery Type; valid values are NL OR NCCR

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2707	207	**Equipment Number**	O	AN	1/10	Used

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Hershey Description:
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*LCLB*NCCR*

W10 Warehouse Additional Carrier Information

Pos: 150	**Max: 10**
Heading - Optional	
Loop: N/A	**Elements: 1**

User Option (Usage): Not used

Purpose: To transmit shipping information and requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1004	225	**Seal Number**	O	AN	2/15	Used

Description: Unique number on seal used to close a shipment

Example:

*W10****123456789012345*

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*0030553026

LX   Assigned Number

Pos: 005   Max: 1
Detail - Optional
Loop: 0300   Elements: 1

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 Description:

UCC 128# - If carton marking customer

Pallet ID - If stock transfer order

Example:

*MAN*GM*0030553026*

Hershey Usage:

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

Loop Warehouse Item Detail

<table><tr><td>Pos: 020</td><td>Repeat: >1</td></tr><tr><td colspan="2">Optional</td></tr><tr><td colspan="2">Loop: 0310   Elements: N/A</td></tr></table>

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**45000**LB**VN*626000001*********PL*10
N9*BT*000190
N9*DD*55036203
N9*LI*190

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 Description: *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 Description:
Same unit of measurement received on 940

Code List Summary (Total Codes: 794, Included: 3)

Code	Name
CA	Case
LB	Pound
PL	Pallet/Unit Load

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

Hershey Usage:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Hershey's 13-digit material number:				
		5 - Manufacturer ID				
		5 - Case Code				
		3 - Item Version				
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 Description:
Stock Transport Order (STO) Line Number

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

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

Code **Name**

01   Out of Stock

      Hershey Description:
      Code requested is unavailable.

04   On Hold

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

07   Inventory Discrepancy

08   Material Shortage

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

09   Substitution

13   Product Allocation Exceeded

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

14   Improperly Sized Order

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

16   Insufficient Equipment Space

      Hershey Description:
      Weight Cut.

20   Late Stock Transfer

Code	Name

Hershey Description:

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 Description:

Third Party Warehouse, service issue - All other reasons other than these specifically defined

Syntax Rules:

1. P0708 - If either W1207 or W1208 is present, then the other is required.
2. P1718 - If either W1217 or W1218 is present, then the other is required.

Example:

W12*CC**45000**LB**VN*626000001*********PL*10

N9 Reference Identification

Pos: 040	Max: 200
Detail - Optional	
Loop: 0310	Elements: 2

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: 4)

Code	Name
BT	Batch Number
DD	Document Identification Code
LI	Line Item Identifier (Seller's)
ZZ	Mutually Defined

> **Hershey Description:**
>
> *ZZ - Optional element for Stock Transport Orders (STOs). If supplied, it contains the Date Code. Must use if shipment is an international shipment.*
>
> *LI - Used for Scheduling Agreement Line Item # - Only required if element W0601 = 'J' (Original).*
>
> *DD - Used for Scheduling Agreement Document # - Only required if element W0601 = 'J' (Original).*

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

Example:

N9*BT*000190
N9*DD*55036203
N9*LI*190

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 Description:

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 Description:

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*45000*

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*15*287820001*