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945 Warehouse Shipping Advice

X12/V3040/945

Version: 1.0

Company:	**Simplot Australia**
Publication:	**12/22/2022**
Notes:	

Table of Contents

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		N1/020	Must use
LOOP ID - 0100					**10**	**N1/040L**	
040	N1	Name	M	1		N1/040	Must use
090	N9	Reference Number	O	10			Used
150	W10	Warehouse Additional Carrier Information	O	10		N1/150	Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**>1**		
020	W12	Warehouse Item Detail	O	1		N2/020	Used
040	N9	Reference Number	O	200			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
020	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/020   To provide identifying numbers dates and other basic data for this transaction set

1/040L   Used to specify entities for the shipment

1/040   Used to specify entities for the shipment

1/150   To transmit shipping information and requirements

2/020   To designate those line items that were shipped

Simplot Note:

Sample 945 Document:

*ISA\00\   \00\   \ZZ**Sender ID** \ZZ***Receiver ID** \221222\1322\U\00200***Control Number** \0\P\>#*
GS\SW\932401300991\931008100000\221222\1322\87583\X\003040#
*ST***Document Type*****Transaction ID**#*
*W06\F\5636643\221222***Shipment ID**#*
*N1\SF\\91***Warehouse Number**#*
N9\WP\1355885#
W10\01\3#
W10\02\1#
W12\SJ\\3\\CT\\VP\05522\\\\\\\\\\LT\190924#

N9\LI\1.000#
W12\SJ\\4\\CT\\VP\10571\\\\\\\\\LT\111022#
N9\LI\2.000#
W12\SJ\\48\\CT\\VP\13250\\\\\\\\\LT\130722#
N9\LI\3.000#
W12\SJ\\10\\CT\\VP\03479\\\\\\\\\LT\200722#
N9\LI\4.000#
W12\SJ\\3\\CT\\VP\10568\\\\\\\\\LT\300622#
N9\LI\5.000#
W12\SJ\\18\\CT\\VP\45584\\\\\\\\\LT\010622#
N9\LI\6.000#
W12\SJ\\11\\CT\\VP\45584\\\\\\\\\LT\240622#
N9\LI\6.000#
W12\SJ\\11\\CT\\VP\45584\\\\\\\\\LT\260622#
N9\LI\6.000#
W12\SJ\\20\\CT\\VP\11934\\\\\\\\\LT\151022#
N9\LI\7.000#
SE\25\000286201#
ST\945\000286202#
W06\F\5636652\221222\1600428#
N1\SF\\91\2E#
N9\WP\1355888#
W10\01\1#
W10\02\1#
W12\SJ\\4\\CT\\VP\01146\\\\\\\\\LT\08JUL22KEL#
N9\LI\1.000#
W12\SJ\\18\\CT\\VP\45631\\\\\\\\\LT\1022415129#
N9\LI\2.000#
W12\SJ\\18\\CT\\VP\42191\\\\\\\\\LT\16AUG22BAT#
N9\LI\8.000#
W12\SJ\\4\\CT\\VP\12475\\\\\\\\\LT\011123#
N9\LI\9.000#
SE\15\000286202#
GE\2\87583#
IEA\1\000140158#

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: 236, Included: 1)

Code	Name
945	X12.193 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

Simplot Note: *Unique number assigned by the originator*

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).

W06   Warehouse Shipment Identification

Pos: 020   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 4

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: 12, 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	Used

Description: Identifying number for warehouse shipping order assigned by the depositor.
Simplot Note: *Simplot Order Number (8,0 numeric)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0603	435	**Shipment Date**	O	DT	6/6	Used

Description: Actual date on which shipment was made.
Simplot Note: *Date on which shipment was made (YYMMDD)*

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.)
Simplot Note: *Simplot Shipment Number (8.0 Numeric)*

Syntax Rules:

1. P0708 - If either W0607 or W0608 is present, then the other is required.

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
090	N9	Reference Number	O	10		Used
150	W10	Warehouse Additional Carrier Information	O	10		Used

N1 Name

Pos: 040	**Max: 1**
Heading - Mandatory	
Loop: 0100	**Elements: 3**

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	2/2	Must use

Description: Code identifying an organizational entity, a physical location, or an individual

Code List Summary (Total Codes: 687, Included: 1)

Code	Name
SF	Ship From

Description: *Qualifies Simplot shipment warehouse (2 alpha)*

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

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

Code List Summary (Total Codes: 138, 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	2/17	Used

Description: Code identifying a party or other code.

Simplot Note: *See N101 for entities defined*

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.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N9 Reference Number

Pos: 090	**Max: 10**
Heading - Optional	
Loop: 0100	**Elements: 2**

User Option (Usage): Used
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Element Summary:

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

Description: Code qualifying the Reference Number.

Code List Summary (Total Codes: 859, Included: 1)

Code	Name
WP	Warehouse Pick Ticket Number

Description: *Below are the reference numbers that Simplot can use*

Simplot Note:

Qualifies Simplot Picking Slip No. (8 alpha)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Number**	X	AN	1/30	Used

Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.
Simplot Note: *Refer to description of N901 for reference numbers used.*

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.

W10 Warehouse Additional Carrier Information

<div style="border:1px solid black;">
Pos: 150   Max: 10
Heading - Optional
Loop: 0100   Elements: 2
</div>

User Option (Usage): Used
Purpose: To transmit shipping information and requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1001	400	**Unit Load Option Code**	O	ID	2/2	Used

Description: Code identifying loading or unloading a shipment

Simplot Note: *Code identifying an Type of Pallet count*

Code List Summary (Total Codes: 6, Included: 2)

Code	Name
01	Palletized

Simplot Note:

Qualifies Simplot shipment warehouse (2 alpha)

Code	Name
02	Floor Stack/Hand Pile

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1002	406	**Quantity of Pallets Shipped**	O	N0	1/3	Used

Description: Number of pallets shipped.

Simplot Note: *If W1001 = 01*

Number of Pallets Shipped

If W1001 = 02

Number of Floor Stacks

Syntax Rules:

1. P0607 - If either W1006 or W1007 is present, then the other is required.
2. P0809 - If either W1008 or W1009 is present, then the other is required.

Semantics:

1. W1006 is the minimum allowable temperature condition for shipment (degrees fahrenheit.)
2. W1008 is the maximum allowable temperature condition for shipment (degrees fahrenheit.)

Loop Warehouse Item Detail

Pos: 020	**Repeat: >1**
	Optional
Loop: 0300	**Elements: N/A**

User Option (Usage): Used

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		Used
040	N9	Reference Number	O	200		Used

W12 Warehouse Item Detail

Pos: 020	Max: 1
Detail - Optional	
Loop: 0300	**Elements: 10**

User Option (Usage): Used

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: 90, Included: 1)

Code **Name**

SJ   Shipped or Performed as Indicated

> **Description:** *A shipment or performance made according to the terms and conditions of a contract*

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

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

Simplot Note: *Quantity shipped (8,0 numeric)*

W1205	355	**Unit or Basis for Measurement Code**	O	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: 719, Included: 3)

Code **Name**

CT   Carton
EA   Each
KG   Kilogram

> **Simplot Note:**
> *Simplot expect the 945 Pick Slip Confirmation W1205 element UOM to match the 940 Pick Slip W0102 element UOM sent to the 3PL*

W1207	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code List Summary (Total Codes: 307, Included: 1)

Code **Name**

VP   Vendor's (Seller's) Part Number

W1208	234	**Product/Service ID**	X	AN	1/30	Used

Description: Identifying number for a product or service.

Simplot Note: *Simplot JDE product number (15 alpha)*

W1210	81	**Weight**	X	R	1/10	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Numeric value of weight.				
		Simplot Note: *Weight in kilograms (10 numeric - Whole number or 1 to 2 fixed decimal places e.g. 9, 10.5, 11.35)*				
W1211	187	**Weight Qualifier**	O	ID	1/2	Used

Description: Code defining the type of weight.

Code List Summary (Total Codes: 40, Included: 1)

Code **Name**
Z   Mutually Defined

Simplot Note:
Dual unit of measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1212	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit

Code List Summary (Total Codes: 7, Included: 1)

Code **Name**
K   Kilograms

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

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

Code List Summary (Total Codes: 307, Included: 1)

Code **Name**
LT   Lot Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1218	234	**Product/Service ID**	X	AN	1/30	Used

Description: Identifying number for a product or service.
Simplot Note: *Simplot Lot ID. (10 alpha)*
This is usually a manufacture or use-by date in DDMMYY format

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. P101112 - If either W1210, W1211 or W1212 are present, then the others are required.
4. P131415 - If either W1213, W1214 or W1215 are present, then the others are required.
5. P1718 - If either W1217 or W1218 is present, then the other is required.

Semantics:

1. Whenever W1201 contains IS, W1216, W1217 and W1218 refer to the original item ordered.

N9 Reference Number

Pos: 040	**Max: 200**
Detail - Optional	
Loop: 0300	**Elements: 4**

User Option (Usage): Used
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Element Summary:

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

Description: Code qualifying the Reference Number.

Code List Summary (Total Codes: 859, Included: 2)

Code	Name
55	Sequence Number
LI	Line Item Identifier (Seller's)

Description: *Below are the reference numbers that Simplot can use*

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

Description: Code qualifying the Reference Number.
Simplot Note: *SSCC Number*

Code List Summary (Total Codes: 859, Included: 1)

Code	Name
LA	Shipping Label Serial Number

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

Description: Code qualifying the Reference Number.
Simplot Note: *Lot status code*

Code List Summary (Total Codes: 859, Included: 1)

Code	Name
ZZ	Mutually Defined

Description: *Below is the reference number that Simplot use*
Simplot Note:
   Refer 5.15.2.2 for status codes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Number**	X	AN	1/30	Used

Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.
Simplot Note: *If N901 = LI*
   Simplot order line number (6,3 numeric)

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.

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.
>
> **Simplot Note:** *Usually generated by EDI software*

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
>
> **Simplot Note:** *Same number as ST02*

Comments:

1. SE is the last segment of each transaction set.