945 Warehouse Shipping Advice
Version: 004010 X12

Company: WarehouseQuote.com

Document Management

Document Information

Revision	Author	Notes
June 2021	Annette Smith	Release 1 Version 1
Oct 2022	Neil Wahab	Updated Formatting/Logo

Ids –

	Environment	ISA Qual / Id	GS Id
WarehouseQuote.com	Test	ZZ / WAQET	WAQET
	Production	ZZ / WAQE	WAQE

Communications –

The information for communications is based on the selection of protocol –

1. AS2 – preferred method.
2. SFTP

Once the protocol is agreed upon the details can be exchanged.

Introduction

This Draft Standard for Trail Use contains the format and establishes the data content for 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.

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945 Warehouse Shipping Advice

Sample Data included on last two pages of document.

945   Warehouse Shipping Advice

Functional Group= SW

Purpose: This transaction set us used to enable a manufacturer, supplier, broker, or agent to provide detailed finished goods product information to a partner in a consumer goods market. This transaction set can be used to provide information about new products or changes in existing product specifications. Price changes will not be sent with this transaction set, but can be sent with the Price Change Transaction Set (879)

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must Use
	GS	Functional Group Header	M	1			Must Use

Heading:

Table 1

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0010	ST	Transaction Set Header	M	1			Must Use
0020	W06	Warehouse Shipment Ident	M	1			Must Use
LOOP ID -0100					>1		Must Use
0040	N1	Name	M	1			Must Use
0060	N3	Address Information	O	2			Used
0070	N4	Geographic Location	O	1			Used
0090	N9	Reference Identification	O	10			Used
0110	G62	Date/Time	O	5			Used
0120	NTE	Note/Special Instruction	O	20			Used
0130	W27	Carrier Detail	O	1			Used
0150	W10	Warehouse Additional Carrier Info	O	10			Used

Table 2

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID – 0300					>1		
0005	LX	Assigned Number	O	1			Used
LOOP ID – 0310					>1		
0020	W12	Warehouse Item Detail	O	1			Used
0030	G69	Line-Item Detail – Description	O	5			
0050	N9	Reference Identification	O	200			

Table   3

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0010	W03	Total Shipment Information	O	1			Used
2000	SE	Transaction Set Trailer	M	1			Must Use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must Use
	IEA	Interchange Control Header	M	1			Must Use

ISA Interchange Control Header

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must Use

Purpose: To start and identify an interchange of zero or more functional groups and Interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must Use

Description: Code to identify the type of information in the Authorization Information
CodeList Summary (Total Codes: 7, Included: 1)
Code Name
00   No Authorization Information Present (No Meaningful Information in I02)

ISA02	I02	**Authorization Information**	M	AN	10/10	Must Use

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange: the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must Use

Description: Code to identify the type of information in the Security Information
CodeList Summary (Total Codes: 2, Included 1)
Code Name
00   No Security Information Present (No Meaningful Information in I04)

ISA04	I04	**Security Information**	M	AN	10/10	Must Use

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must Use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
CodeList Summary (Total Codes: 38, Included 1)
Code Name
ZZ   Mutually Defined Identification number ID
WarehouseQuote ID =   ZZ:WAQE

ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must Use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must Use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used. (Total Codes: 38)

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must Use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09	I09	**Interchange Date**	M	DT	8/8	Must Use

Description: Date of the Interchange

ISA10	I09	**Interchange Time**	M	TM	4/4	Must Use

Description: Time of the Interchange

ISA11	I65	**Repetition Separator**	M		1/1	Must Use

Description: Type is not applicable, the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminatory

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must Use

Description: Code specifying the version number of the interchange control segments

CodeList Summary (Total Codes: 17, Included 1)

Code	Name
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999

ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must Use

Description: A control number assigned by the interchange sender

ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must Use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

All valid standard codes are used. (Total Codes: 2)

ISA15	I14	**Usage Indicator**	M	ID	1/1	Must Use

Description: Code to indicate whether data enclose by this interchange envelop is test, production or information

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
P	Production Data

ISA16	I15	**Component Element Separator**	M		1/1	Must Use

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimit use to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS Functional Group Header

Pos:	**Max: 1**
Not Defined – Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Must Use

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must Use

Description: Code identifying a group of application related transaction sets
CodeList Summary (Total Codes:261, Included: 1)
Code Name
SW   Warehouse Shipping Advice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must Use

Description: Code identifying party sending transmission; codes agreed to by trading partners
Warehouse Quote Note:
Warehouse Quote ID WAQE

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must Use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must Use

Description: Date Expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	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
GS06	28	**Group Control Number**	M	N0	1/9	Must Use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must Use

Description: Assigned number originated and maintained by the sender
CodeList Summary (Total Codes:2, Included: 1)
Code Name
X   Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version/Release/Industry Identifier Code**	M	AN	1/12	Must Use

Description: Code indicating the version, release, sub release, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS Segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and sub release, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

CodeList Summary (Total Codes: 33, Included: 1)

Code	Name
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 0010	**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
CodeList Summary (Total Codes: 314, Included: 1)
Code Name
945   Warehouse Shipment Advice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	ID	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) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set)
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

W06 Warehouse Shipment Identification

Pos: 0020	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 6

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
CodeList 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	Used

Description: Identifying number for warehouse shipping
Order assigned by the depositor.

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

Description: Description: This references the receipt date – 'CCYYMMDD'
"CC" – first 2 digits of the calendar year.
"YY" – last 2 digits of the calendar year.
"MM" – month (01-12)
"DD" – day (01-31)

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
W0605	531	**Agent Shipment ID Number**	O	AN	1/22	Used

Description: Identification number assigned to the shipment
by the agent (number does not contain bank or punctuation
characters)

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

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

Loop Name

Pos: 0040	Repeat : 10
Optional	
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
0040	N1	Name	O	1		Used
0060	N3	Address Information	O	2		Used
0070	N4	Geographic Location	O	1		Used

N1 Name

Pos: 0040	**Max: 1**
Heading - Optional	
Loop: 0100	**Elements: 4**

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

CodeList Summary (Total Codes: 1312, Included: 2)

Code	Name
WH	Warehouse
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	Used

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

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
91	Assigned by Seller

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

Description: Code identifying part or other code

WarehouseQuote Note: Reference Identification (if ST, Required WHQ Warehouse Code)

N3 Name

Pos: 0060   **Max: 2**
Heading - Optional
Loop: 0100   **Elements: 2**

User Option (Usage): Must Use

Purpose: To identify of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must Use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Name

Pos: 0070	**Max: 1**
Heading - Optional	
Loop: 0100	**Elements: 4**

User Option (Usage): Used

Purpose: To identify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State / Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country
WarehouseQuote Note: US if not provided

N9 Reference Identification

Pos: 0090	**Max: 10**
Heading - Optional	
Loop: N/A	**Elements: 2**

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

CodeList Summary (Total Codes: 1503, Included: 1)

Code	Name
2I	Tracking Number

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

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

G62 Date/Time

Pos: 0110	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must Use

Purpose: To specify the requested shipment date

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usag
G6201	432	**Date Qualifier**	X	ID	2/2	Used

Description: Code specifying type of data

CodeList Summary (Total Codes: 137, Included: 5)

Code	Name
02	Purchase Order Date
10	Ship Date
11	Ship Not Later Than Date
52	Order Date
LC	Requested Delivery Date

Ref	Id	Element Name	Req	Type	Min/Max	Usag
G6202	373	**Date**	X	DT	8/8	Used

Description: Date expressed as

CCYYMMDD

WarehouseQuote Note:

"CC" – first 2 digits of the calendar year.
"YY" – last 2 digits of the calendar year.
"MM" – month (01-12)
"DD" – day (01-31)

NTE Note Special Instructions

Pos: 0120	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must Use

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usag
NTE01	363	**Note reference Code**	X	ID	3/3	Used

Description: Code identifying the functional area or
Purpose for which the note applies
CodeList Summary (Total Codes: 241, Included: 1)

Code	Name
WHI	Warehouse Instructions

Ref	Id	Element Name	Req	Type	Min/Max	Usag
NTE02	352	**Description**	X	DT	8/8	Used

Description: A free-form description to clarify the related data
Elements and their content.

W27 Carrier Detail

Pos: 0130	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Must Use

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

CodeList Summary (Total Codes: 71, Included 4)

Code	Name
M	Motor Carrier
H	Customer Pickup
U	UPS Carrier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2702	140	**Standard Carrier Alpha Code(SCAC)**	M	ID	2/4	Must Use

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2703	387	**Routing (Carrier Name)**	X	AN	1/35	Used

Description: Free-form description of the routing or request routing for shipment, or the originating carrier's identity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2704	146	**Shipment Method of Payment**	O	ID	2/2	Used

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included 4)

Code	Name
CC	Collect
PP	Prepaid
PB	Customer Pick Up
PU	Pick Up
NR	Not Revenue
MX	Mixed

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W2706	206	**Equipment Initial**	O	AN	1/4	Not Used

Description: Prefix or alphabetic part of an equipment unit's Identifying number.

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)

Syntax Notes

02   R0203   At least one of W2702 or W2703 is required

Semantic Notes

02   W2702 is required when W2701 equals "B","E","H","I","K","L","M","P" or "T".

06   W2706 is required when W2701 equals "G", or "R"

Comment

00   Shipment/Order Status Code is used at the total-invoice level only when differences cannot be provided at the line-item level or when the entire order has been shipped complete.

W10 Warehouse Add'l Carrier Information

Pos: 0150	**Max: 10**
Heading - Optional	
Loop: N/A	**Elements: 8**

User Option (Usage): Used

Purpose: To transmit shipping information and requirements

Element Summary:

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1003	399	**Pallet Exchange Code**	O	ID	1/1	Used

Description: Code specifying pallet exchange instructions

CodeList Summary (Total Codes: 5, Included 4)

Code	Name
1	No Exchange/No Return
2	Exchange Pallets
3	Return Pallets
4	Pallet to be Purchased by Customer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1004	225	**Seal Number 1**	O	AN	2/15	Used

Description: Unique number on seal used to close a shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1005	225	**Seal Number 2**	O	AN	2/15	Used

Description: Unique number on seal used to close a shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1006	408	**Temperature**	O	R	1/4	Used

Description: Temperature

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1007	355	**Unit of 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

CodeList Summary (Total Codes: 794, Included)

Code	Name
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1008	408	**Temperature**	O	R	1/4	Used

Description: Free-form description of the routing or request routing for shipment, or the originating carrier's identity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1009	355	**Unit of 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

CodeList Summary (Total Codes: 794, Included 1)

Code	**Name**
FA	Fahrenheit

LX Assigned Number

User Option (Usage): Must Use

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

WarehouseQuote Note: This is to contain the original LX_01 value of the 940 line that it is associated with. This value can be duplicated when reflecting differing details on the same line (such as, lot numbers).

W12 Warehouse Item Detail

Pos: 0020	Max: 1
Detail – Optional	
Loop: 0310	Elements: 9

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
CodeList Summary (Total Codes: 102, Included 2)

Code	Name
CC	Shipment Complete
PR	Partial Shipment

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

Description: Quantity request to be Shipped by the warehouse

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1204	383	**Quantity Difference**	O	R	1/9	Used

Description: Numeric value of variance between ordered
and shipped quantities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

CodeList Summary (Total Codes: 794, Included 11)

Code	Name
CA	Cases
EA	Each
PL	Pallet
RL	Roll
GLD	Gaylord
SSK	Supersack
LB	Pound
BX	Box
BG	Bag
DR	Drum
CT	Carton

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1206	438	**U.P.C Case Code**	X	AN	12/12	Used

Description: Code (Universal Product Code – UPC) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03) using the U.S. Grocery system, the Next 10 digits are: Manufacturer (5) Case Code (5)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

CodeList Summary (Total Codes: 505, Included: 1)

Code	Name
VN	Vendor Product Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1208	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W1209	451	**Warehouse Lot Number**	O	AN	1/12	Used

Description: Reference number assigned by the warehouse

Warehousequote Note: Inventory Level 2

G69 Line-Item Detail Description

Pos: 0030	Max: 5
Detail – Optional	
Loop: 0310	Elements: 1

User Option (Usage): Must Use

Purpose: To describe an item in free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6901	369	Free-form Description	M	AN	1/45	Used
		Description: Free-form descriptive Test				

N9 Reference Identification

Pos: 0050	Max: 10
Heading - Optional	
Loop:0310	Elements: 2

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

CodeList Summary (Total Codes:793, Included: 2)

Code	Name
LV	Pallet ID
SE	Serial Number

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

Description: Reference information as defined for a particular

Transaction Set or as specified by the Reference Identification Qualifier

Syntax Notes

02	R0203	At least one of N902 or N903 is required
06	C0605	If N906 is present, then N905 is required

Semantic Notes

02	N903 reflects the time zone which the time reflects
06	N907 contains data relating to the value cited in N902

W03 Total Shipment Information

Pos: 0010	Max: 1
Summary – Optional	
Loop: N/A	Elements: 3

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

W0302	81	**Weight**	O	R	1/10	Used

Description: numeric value of weight

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

CodeList Summary (Total Codes: 794, Included 11)

Code	Name
CA	Cases
EA	Each
PL	Pallet
RL	Roll
GLD	Gaylord
SSK	Supersack
LB	Pound
BX	Box
BG	Bag
DR	Drum
CT	Carton

SE Transaction Set Trailer

Pos: 0200	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				
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				
		Note: The transaction set control number (SE02) is the same as that used in the corresponding header (ST02)				

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must Use

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must Use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	Group Control Number	M	N0	1/9	Must Use

Description: Assigned number originated

Note: The count of ST segments within the group

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated

functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined – Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must Use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must Use

Description: A count of the number of functional groups included in an interchange

WarehouseQuote Note: IEA01 contains the count of GS Segments within the transmission

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	Interchange Control Number	M	N0	9/9	Must Use

Description: A control number assigned by the interchange sender

WarehouseQuote Note: IEA02 must be the same number as in the ISA segment (ISA13) for the transmission

Sample Transaction

WHQ is the receiver

```
ISA*00*     *00*      *ZZ*YOUR-ID-HERE  *ZZ*WAQE     *200901*1409*U*00401*043000123*0*P*>~
GS*SW*YOUR-ID-HERE*WAQE*20200901*1409*000000123*X*004010~
ST*945*000006123~
W06*F*IF102*20190604*BOL12345**PO9865~
N1*ST*CUSTOMER XYZ~
N3*123 CUSTOMER WAY~
N4*ANYTOWN*KS*66216-4563~
N1*SF***CHI~
G62*10*20190602~
NTE*WHI*Extra shrink applied~
W27*M*NPLT*NORTHPOINT TRANSPOR*PP~
W10*1~
LX*10~
W12*CC*3000*3000*0*EA**VN*123456789*LOT12314~
G69*WIDGETS 100 PER BOX~
N9*LV*LPN6569~
W03*3000*15000*LB~
SE*12*000006123~
GE*1*000000123~
IEA*1*043000123~
```

WHQ is the sender

```
ISA*00*      *00*      *ZZ*WAQE      *ZZ*YOUR-ID-HERE  *200901*1409*U*00401*043000123*0*P*>~
GS*SW*WAQE*YOUR-ID-HERE*20200901*1409*000000123*X*004010~
ST*945*000006123~
W06*F*IF102*20190604*BOL12345**PO9865~
N1*ST*CUSTOMER XYZ~
N3*123 CUSTOMER WAY~
N4*ANYTOWN*KS*66216-4563~
N1*SF***CHI~
G62*10*20190602~
NTE*WHI*Extra shrink applied~
W27*M*NPLT*NORTHPOINT TRANSPOR*PP~
W10*1~
LX*10~
W12*CC*3000*3000*0*EA**VN*123456789*LOT12314~
G69*WIDGETS 100 PER BOX~
N9*LV*LPN6569~
W03*3000*15000*LB~
SE*12*000006123~
GE*1*000000123~
IEA*1*043000123~
```