945 Warehouse Shipping Advice

Version: 004010 X12

Company: Dot Foods, Inc.

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.

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:

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
060	N3	Address Information	M	2			Must use
070	N4	Geographic Location	M	1			Must use
LOOP ID - 0100					**10**		
040	N1	Name	M	1			Must use
060	N3	Address Information	M	2			Must use
070	N4	Geographic Location	M	1			Must use
110	G62	Date/Time	M	5			Must use
110	G62	Date/Time	M	5			Must use
110	G62	Date/Time	M	5			Must use
130	W27	Carrier Detail	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**>1**		
005	LX	Assigned Number	M	1			Must use
010	MAN	Marks and Numbers	M	>1			Must use
LOOP ID - 0310					**>1**		
020	W12	Warehouse Item Detail	M	1			Must use
030	G69	Line Item Detail - Description	M	5			Must use
080	N1	Name	C	5			Used
0	N3	Address Information	C	1			Used
0	N4	Geographic Location	C	1			Used

Summary:

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

ISA   Interchange Control Header

<table>
<tr><td colspan="2">Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="3" align="center">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td colspan="2">Elements: 16</td></tr>
</table>

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	Rep
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use	1

Description: Code to identify the type of information in the Authorization Information

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

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use	1

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use	1

Description: Code to identify the type of information in the Security Information

Code List Summary (Total Codes: 2, Included: 1)

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA04	I04	**Security Information**	M	AN	10/10	Must use	1

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use	1

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

Code List Summary (Total Codes: 38, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use	1

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
Dot Foods: *DOTFDSEE*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use	1

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use	1

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use	1

Description: Time of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use	1

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used. (Total Codes: 1)

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use	1

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

Code List Summary (Total Codes: 14, Included: 1)

Code	**Name**
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use	1

Description: A control number assigned by the interchange sender

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

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

Code List Summary (Total Codes: 2, Included: 1)

Code	**Name**
0	No Acknowledgment Requested

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

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

Code List Summary (Total Codes: 3, Included: 1)

Code	**Name**
P	Production Data

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

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used 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

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 8</td></tr>
</table>

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	Rep
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use	1

Description: Code identifying a group of application related transaction sets

Code List Summary (Total Codes: 240, Included: 1)

Code	Name
SW	Warehouse Shipping Advice (945)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use	1

Description: Code identifying party sending transmission; codes agreed to by trading partners
Dot Foods: *DOTFDSEE*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS04	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
GS05	337	**Time**	M	TM	4/8	Must use	1

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	Rep
GS06	28	**Group Control Number**	M	N0	1/9	Must use	1

Description: Assigned number originated and maintained by the sender

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

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

Code List Summary (Total Codes: 2, Included: 1)

Code	Name
X	Accredited Standards Committee X12

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

Description: Code indicating the version, release, subrelease, 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 subrelease, 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

Code List Summary (Total Codes: 39, 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

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

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	Rep
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use	1

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	Rep
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use	1

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).

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	Rep
W0601	514	**Reporting Code**	M	ID	1/1	Must use	1

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	Rep
W0602	285	**Depositor Order Number**	M	AN	1/22	Must use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
W0603	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
W0604	145	**Shipment Identification Number**	M	AN	1/30	Must use	1

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	Rep
W0605	531	**Agent Shipment ID Number**	M	AN	1/12	Must use	1

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

Syntax Rules:

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

Semantics:

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

N1   Name

Pos: 040   **Max: 1**
Heading - Mandatory
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	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

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

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N102	93	**Name**	M	AN	1/60	Must use	1

Description: Free-form name

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

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

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

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N104	67	**Identification Code**	M	AN	2/80	Must use	1

Description: Code identifying a party or other code

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.

N3 Address Information

User Option (Usage): Must use
Purpose: To specify the location of the named party

Element Summary:

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

N4   **Geographic Location**

Pos: 070   Max: 1
Heading - Mandatory
Loop: 0100   Elements: 4

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N401	19	**City Name**	M	AN	2/30	Must use	1
		Description: Free-form text for city name					
N402	156	**State or Province Code**	M	ID	2/2	Must use	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	**Postal Code**	M	ID	3/15	Must use	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					
N404	26	**Country Code**	M	ID	2/3	Must use	1
		Description: Code identifying the country					

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

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	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

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

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
SF	Ship From

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N102	93	**Name**	M	AN	1/60	Must use	1

Description: Free-form name

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

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

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

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N104	67	**Identification Code**	M	AN	2/80	Must use	1

Description: Code identifying a party or other code

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.

N3   Address Information

Pos: 060   Max: 2
Heading - Mandatory
Loop: 0100   Elements: 2

User Option (Usage): Must use
Purpose: To specify the location of the named party

Element Summary:

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

N4   **Geographic Location**

<div>

Pos: 070   **Max: 1**
Heading - Mandatory
Loop: 0100   **Elements: 4**

</div>

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N401	19	**City Name**	M	AN	2/30	Must use	1

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N402	156	**State or Province Code**	M	ID	2/2	Must use	1

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N403	116	**Postal Code**	M	ID	3/15	Must use	1

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	Rep
N404	26	**Country Code**	M	ID	2/3	Must use	1

Description: Code identifying the country

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

G62 Date/Time

Pos: 110   Max: 5
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6201	432	**Date Qualifier**	M	ID	2/2	Must use	1

Description: Code specifying type of date

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

Code	Name
02	Delivery Requested on This Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6202	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

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.

G62   Date/Time

Pos: 110   Max: 5
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6201	432	**Date Qualifier**	M	ID	2/2	Must use	1

Description: Code specifying type of date

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

Code	Name
10	Requested Ship Date/Pick-up Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6202	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

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.

G62   Date/Time

<div style="float:right; border:1px solid black;">

Pos: 110   **Max: 5**
Heading - Mandatory
Loop: N/A   **Elements: 2**

</div>

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6201	432	**Date Qualifier**	M	ID	2/2	Must use	1

Description: Code specifying type of date

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

Code	Name
11	Shipped on This Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
G6202	373	**Date**	M	DT	8/8	Must use	1

Description: Date expressed as CCYYMMDD

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.

W27   Carrier Detail

Pos: 130   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 2**

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	Rep
W2701	91	**Transportation Method/Type Code**	M	ID	1/2	Must use	1

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

Code List Summary (Total Codes: 71, Included: 2)

Code	Name
H	Customer Pickup
M	Motor (Common Carrier)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
W2702	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use	1

Description: Standard Carrier Alpha Code

Syntax Rules:

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

Semantics:

1. W2702 is required when W2701 equals "B", "E", "H", "I", "K", "L", "M", "P" or "T".
2. W2706 is required when W2701 equals "G" or "R".

Comments:

1. 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.

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	Rep
LX01	554	**Assigned Number**	M	N0	1/6	Must use	1

> **Description:** Number assigned for differentiation within a transaction set

MAN — Marks and Numbers

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

User Option (Usage): Must use
Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

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

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	Rep
MAN02	87	**Marks and Numbers**	M	AN	1/48	Must use	1

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

Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

W12 Warehouse Item Detail

			Pos: 020	Max: 1
			Detail - Mandatory	
			Loop: 0310	Elements: 14

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	Rep
W1201	368	**Shipment/Order Status Code**	M	ID	2/2	Must use	1

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: 2)

Code	Name
CC	Shipment Complete on (Date)
CP	Partial Shipment on (Date), Considered No Backorder

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
W1202	330	**Quantity Ordered**	M	R	1/15	Must use	1

Description: Quantity ordered

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

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

| W1204 | 383 | **Quantity Difference** | M | R | 1/9 | Must use | 1 |

Description: Numeric value of variance between ordered and shipped quantities

| W1205 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use | 1 |

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: 3)

Code	Name
CA	Case
EA	Each
PL	Pallet/Unit Load

| W1206 | 438 | **U.P.C. Case Code** | M | AN | 12/12 | Must use | 1 |

Description: Code (Universal Product Code - U.P.C.) 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 ten digits are: Manufacturer (5) Case Code (5)
Dot Foods: *12 digit case UPC*

| W1207 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use | 1 |

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
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

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

Description: Identifying number for a product or service
Dot Foods: *14 digit case GTIN (SCC-14)*

| W1209 | 451 | **Warehouse Lot Number** | M | AN | 1/12 | Must use | 1 |

Description: Reference number assigned by the warehouse

| W1210 | 81 | **Weight** | M | R | 1/10 | Must use | 1 |

Description: Numeric value of weight

| W1211 | 187 | **Weight Qualifier** | M | ID | 1/2 | Must use | 1 |

Description: Code defining the type of weight

Code List Summary (Total Codes: 51, Included: 2)

Code	Name
G	Gross Weight
N	Actual Net Weight

| W1212 | 188 | **Weight Unit Code** | M | ID | 1/1 | Must use | 1 |

Description: Code specifying the weight unit

Code List Summary (Total Codes: 8, Included: 2)

Code	Name
K	Kilograms
L	Pounds

| W1217 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Dot Foods: *Country of Origin is REQUIRED for items on the Food Traceability List (FTL) due to the Food Safety Modernization Act (FSMA).*

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

Code	Name
CH	Country of Origin Code

| W1218 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

Description: Identifying number for a product or service
Dot Foods: *Country of Origin is REQUIRED for items on the Food Traceability List (FTL) due to the Food Safety Modernization Act (FSMA).*

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.
6. P2122 - If either W1221 or W1222 is present, then the other is required.

Semantics:

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

G69   Line Item Detail - Description

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	Rep
G6901	369	**Free-form Description**	M	AN	1/45	Must use	1

Description: Free-form descriptive text

N1 **Name**

Pos: 080   Max: 5
Detail - Conditional
Loop: 0310   Elements: 4

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use	1

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

Code List Summary (Total Codes: 1312, Included: 1)

Code	Name
MP	Manufacturing Plant

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N102	93	**Name**	M	AN	1/60	Must use	1

Description: Free-form name
Dot Foods: *Traceability Lot Code Source*

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

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

Code List Summary (Total Codes: 215, Included: 3)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
UL	UCC/EAN Location Code
UR	Uniform Resource Locator (URL)

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N104	67	**Identification Code**	M	AN	2/80	Must use	1

Description: Code identifying a party or other code

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.

Dot Foods:

The N1 segment at the Detail level is REQUIRED for items on the Food Traceability List (FTL) list due to the Food Safety Modernization Act (FSMA).

N3   Address Information

Pos: 0   Max: 1
Detail - Conditional
Loop: 0310   Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

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

N4   **Geographic Location**

Pos: 0   Max: 1
Detail - Conditional
Loop: 0310   Elements: 4

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N401	19	**City Name**	M	AN	2/30	Must use	1
		Description: Free-form text for city name					
N402	156	**State or Province Code**	M	ID	2/2	Must use	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	**Postal Code**	M	ID	3/15	Must use	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					
N404	26	**Country Code**	M	ID	2/3	Must use	1
		Description: Code identifying the country					

W03   Total Shipment Information

Pos: 010   **Max: 1**
Summary - Mandatory
Loop: N/A   **Elements: 3**

User Option (Usage): Must use
Purpose: To provide totals relating to the shipment

Element Summary:

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

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	Rep
W0302	81	**Weight**	M	R	1/10	Must use	1

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
W0303	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use	1

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.
2. P0405 - If either W0304 or W0305 is present, then the other is required.
3. P0607 - If either W0306 or W0307 is present, then the other is required.

SE   Transaction Set Trailer

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	Rep
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use	1

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	1

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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

GE Functional Group Trailer

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	Rep
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use	1

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

GE02	28	**Group Control Number**	M	N0	1/9	Must use	1

Description: Assigned number originated and maintained by the sender

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	Rep
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use	1
		Description: A count of the number of functional groups included in an interchange					
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use	1
		Description: A control number assigned by the interchange sender					