

# **945 Warehouse Shipping Advice**

X12/V3040/945

**Version: 1.0**

<b>Company:</b>	<b>Simplot Australia</b>
<b>Publication:</b>	<b>12/12/2019</b>

# Table of Contents

<b>945 Warehouse Shipping Advice</b> .....	<b>1</b>
<b>ST Transaction Set Header</b> .....	<b>3</b>
<b>W06 Warehouse Shipment Identification</b> .....	<b>4</b>
<b>0100 Loop Name</b> .....	<b>6</b>
<b>N1 Name</b> .....	<b>7</b>
<b>N2 Additional Name Information</b> .....	<b>8</b>
<b>N3 Address Information</b> .....	<b>9</b>
<b>N4 Geographic Location</b> .....	<b>10</b>
<b>N9 Reference Number</b> .....	<b>11</b>
<b>G61 Contact</b> .....	<b>12</b>
<b>G62 Date/Time</b> .....	<b>13</b>
<b>NTE Note/Special Instruction</b> .....	<b>14</b>
<b>W27 Carrier Detail</b> .....	<b>15</b>
<b>W6 Special Handling Information</b> .....	<b>17</b>
<b>W28 Consolidation Information</b> .....	<b>18</b>
<b>W10 Warehouse Additional Carrier Information</b> .....	<b>19</b>
<b>0200 Loop Code Source Information</b> .....	<b>20</b>
<b>LM Code Source Information</b> .....	<b>21</b>
<b>LQ Industry Code</b> .....	<b>22</b>
<b>0300 Loop Warehouse Item Detail</b> .....	<b>23</b>
<b>W12 Warehouse Item Detail</b> .....	<b>24</b>
<b>G69 Line Item Detail - Description</b> .....	<b>26</b>
<b>N9 Reference Number</b> .....	<b>27</b>
<b>G62 Date/Time</b> .....	<b>28</b>
<b>QTY Quantity</b> .....	<b>29</b>
<b>AMT Monetary Amount</b> .....	<b>30</b>
<b>AT Financial Accounting</b> .....	<b>31</b>
<b>R4 Port</b> .....	<b>32</b>
<b>W27 Carrier Detail</b> .....	<b>33</b>
<b>N1 Name</b> .....	<b>35</b>
<b>0310 Loop Code Source Information</b> .....	<b>36</b>
<b>LM Code Source Information</b> .....	<b>37</b>
<b>LQ Industry Code</b> .....	<b>38</b>
<b>0320 Loop Assigned Number</b> .....	<b>39</b>
<b>LX Assigned Number</b> .....	<b>40</b>
<b>N9 Reference Number</b> .....	<b>41</b>
<b>G62 Date/Time</b> .....	<b>42</b>
<b>N1 Name</b> .....	<b>43</b>
<b>0321 Loop Code Source Information</b> .....	<b>44</b>
<b>LM Code Source Information</b> .....	<b>45</b>

<b>LQ</b>	<b>Industry Code</b> .....	<b>46</b>
<b>W03</b>	<b>Total Shipment Information</b> .....	<b>47</b>
<b>SE</b>	<b>Transaction Set Trailer</b> .....	<b>48</b>

# 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	W06	Warehouse Shipment Identification	M	1			Must use
<b>LOOP ID - 0100</b>					<b>10</b>		
040	N1	Name	M	1			Must use
050	N2	Additional Name Information	O	1			Used
060	N3	Address Information	O	2			Used
070	N4	Geographic Location	O	1			Used
090	N9	Reference Number	O	10			Used
100	G61	Contact	O	3			Used
110	G62	Date/Time	O	5			Used
120	NTE	Note/Special Instruction	O	20			Used
130	W27	Carrier Detail	O	1			Used
135	W6	Special Handling Information	O	1			Used
140	W28	Consolidation Information	O	1			Used
150	W10	Warehouse Additional Carrier Information	O	10			Used
<b>LOOP ID - 0200</b>					<b>10</b>		
160	LM	Code Source Information	O	1			Used
170	LQ	Industry Code	M	100			Must use

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - 0300</b>					<b>&gt;1</b>		
020	W12	Warehouse Item Detail	O	1			Used
030	G69	Line Item Detail - Description	O	5			Used
040	N9	Reference Number	O	200			Used
050	G62	Date/Time	O	10			Used
055	QTY	Quantity	O	10			Used
060	AMT	Monetary Amount	O	1			Used
065	AT	Financial Accounting	O	1			Used
070	R4	Port	O	5			Used
075	W27	Carrier Detail	O	1			Used
080	N1	Name	O	5			Used
<b>LOOP ID - 0310</b>					<b>10</b>		

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
090	LM	Code Source Information	O	1			Used
100	LQ	Industry Code	M	100			Must use
<b>LOOP ID - 0320</b>					<b>≥1</b>	<b>N2/110L</b>	
110	LX	Assigned Number	O	1			Used
120	N9	Reference Number	O	>1			Used
130	G62	Date/Time	O	10			Used
140	N1	Name	O	1			Used
<b>LOOP ID - 0321</b>					<b>10</b>		
150	LM	Code Source Information	O	1			Used
160	LQ	Industry Code	M	100			Must use

**Summary:**

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

**Notes:**

2/110L The LX loop conveys serial number data.

# 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:

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

**Description:** Code uniquely identifying a Transaction Set.

**All valid standard codes are used. (Total Codes: 236)**

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
------	-----	--------------------------------	---	----	-----	----------

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

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

# W06 Warehouse Shipment Identification

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 12

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W0601	514	<b>Reporting Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code specifying the basis used when reporting shipment information. <b>All valid standard codes are used. (Total Codes: 12)</b>				
W0602	285	<b>Depositor Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for warehouse shipping order assigned by the depositor.				
W0603	435	<b>Shipment Date</b>	O	DT	6/6	Used
		<b>Description:</b> Actual date on which shipment was made.				
W0604	145	<b>Shipment Identification Number</b>	O	AN	1/30	Used
		<b>Description:</b> 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.)				
W0605	531	<b>Agent Shipment ID Number</b>	O	AN	1/12	Used
		<b>Description:</b> Identification number assigned to the shipment by the agent. (Number does not contain blank or punctuation characters.)				
W0606	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser.				
W0607	474	<b>Master Reference (Link) Number</b>	X	AN	1/22	Used
		<b>Description:</b> Reference number assigned by the sender to relate a transaction set to a master transaction. (When associating a group of purchase orders, invoices or other transaction sets, use the master reference (link) number to identify the group and the link sequence number to identify individual transaction sets within the group.)				
W0608	472	<b>Link Sequence Number</b>	X	N0	6/6	Used
		<b>Description:</b> A two-part number in the form `SSSTTT' where `SSS' is a sequentially assigned number and `TTT' equals the highest sequential number being used within the associated (linked) group. (Leading zeros are required for both `SSS' and `TTT'.)				
W0609	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W0610	891	<b>Shipping Date Change Reason Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code informing a depositor why shipment of an order was delayed. <b>All valid standard codes are used. (Total Codes: 16)</b>				
W0611	640	<b>Transaction Type Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the type of transaction.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>All valid standard codes are used. (Total Codes: 206)</b>				
W0612	306	<b>Action Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code indicating type of action.				
		<b>All valid standard codes are used. (Total Codes: 65)</b>				

### 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	N1	Name	M	1		Must use
050	N2	Additional Name Information	O	1		Used
060	N3	Address Information	O	2		Used
070	N4	Geographic Location	O	1		Used

# N1 Name

Pos: 040	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 6

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>						
N102	93	<b>Name</b>	X	AN	1/35	Used
<b>Description:</b> Free-form name.						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used. (Total Codes: 138)</b>						
N104	67	<b>Identification Code</b>	X	AN	2/17	Used
<b>Description:</b> Code identifying a party or other code.						
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used
<b>Description:</b> Code describing entity relationship. <b>All valid standard codes are used. (Total Codes: 31)</b>						
N106	98	<b>Entity Identifier Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>						

## 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.

# N2 Additional Name Information

Pos: 050	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify additional names or those longer than 35 characters in length

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	<b>Name</b>	M	AN	1/35	Must use
		<b>Description:</b> Free-form name.				
N202	93	<b>Name</b>	O	AN	1/35	Used
		<b>Description:</b> Free-form name.				

# N3 Address Information

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

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/35	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/35	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 070	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name.				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.				
N403	116	<b>Postal Code</b>	O	ID	3/9	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country.				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location.				
		<b>All valid standard codes are used. (Total Codes: 83)</b>				
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location.				

## 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 USA or Canada.

# N9 Reference Number

Pos: 090	Max: 10
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Number Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used. (Total Codes: 859)</b>				
N902	127	<b>Reference Number</b>	X	AN	1/30	Used
		<b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text.				
N904	373	<b>Date</b>	O	DT	6/6	Used
		<b>Description:</b> Date (YYMMDD).				
N905	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> 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)				
N906	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 39)</b>				

## 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.

# G61 Contact

Pos: 100	Max: 3
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named.</p> <p><b>All valid standard codes are used. (Total Codes: 154)</b></p>						
G6102	93	<b>Name</b>	M	AN	1/35	Must use
<p><b>Description:</b> Free-form name.</p>						
G6103	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number.</p> <p><b>All valid standard codes are used. (Total Codes: 20)</b></p>						
G6104	364	<b>Communication Number</b>	X	AN	1/80	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable.</p>						
G6105	443	<b>Contact Inquiry Reference</b>	O	AN	1/20	Used
<p><b>Description:</b> Additional reference number or description to clarify a contact number.</p>						

## Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

## Comments:

1. G6103 qualifies G6104.

# G62 Date/Time

Pos: 110	Max: 5
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	<b>Date Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying type of date. <b>All valid standard codes are used. (Total Codes: 127)</b>				
G6202	373	<b>Date</b>	X	DT	6/6	Used
		<b>Description:</b> Date (YYMMDD).				
G6203	176	<b>Time Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the reported time. <b>All valid standard codes are used. (Total Codes: 36)</b>				
G6204	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> 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)				
G6205	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 39)</b>				
G6206	624	<b>Century</b>	O	N0	2/2	Used
		<b>Description:</b> The first two characters in the designation of the year (CCYY).				

## 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.



# NTE Note/Special Instruction

Pos: 120	Max: 20
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NTE01	363	<b>Note Reference Code</b>	O	ID	3/3	Used
<b>Description:</b> Code identifying the functional area or purpose for which the note applies. <b>All valid standard codes are used. (Total Codes: 57)</b>						
NTE02	3	<b>Free Form Message</b>	M	AN	1/60	Must use
<b>Description:</b> Free-form text.						

## Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the ``NTE'' segment should therefore be avoided, if at all possible, in an automated environment.

# W27 Carrier Detail

Pos: 130	Max: 1
Heading - Optional	
Loop: N/A	Elements: 10

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W2701	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used. (Total Codes: 70)</b>				
W2702	140	<b>Standard Carrier Alpha Code</b>	X	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
W2703	387	<b>Routing</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.				
W2704	146	<b>Shipment Method of Payment</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used. (Total Codes: 28)</b>				
W2705	40	<b>Equipment Description Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used. (Total Codes: 125)</b>				
W2706	206	<b>Equipment Initial</b>	O	AN	1/4	Used
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.				
W2707	207	<b>Equipment Number</b>	O	AN	1/10	Used
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).				
W2708	368	<b>Shipment/Order Status Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 90)</b>				
W2709	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W2710	890	<b>Carrier/Route Change Reason Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code reflecting reason a requested carrier or route was changed. <b>All valid standard codes are used. (Total Codes: 16)</b>				

## Syntax Rules:

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

**Semantics:**

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

# W6 Special Handling Information

Pos: 135	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**Purpose:** To provide special handling information necessary for safe handling of shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W601	152	<b>Special Handling Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W602	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W603	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W604	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				

# W28 Consolidation Information

Pos: 140	Max: 1
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

**Purpose:** To transmit freight consolidation information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W2801	604	<b>Consolidation Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code identifying the extent of the consolidation. <b>All valid standard codes are used. (Total Codes: 3)</b>				
W2802	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight.				
W2803	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used. (Total Codes: 40)</b>				
W2804	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used. (Total Codes: 7)</b>				
W2805	466	<b>Total Stopoffs</b>	O	N0	1/2	Used
		<b>Description:</b> Total number of stopoffs specified for a shipment.				
W2806	310	<b>Location Identifier</b>	X	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location.				
W2807	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location. <b>All valid standard codes are used. (Total Codes: 83)</b>				
W2808	10	<b>Master Bill of Lading Number</b>	O	AN	1/12	Used
		<b>Description:</b> Identification number assigned to a consolidated shipment of orders by the consolidator.				

## Syntax Rules:

1. P020304 - If either W2802, W2803 or W2804 are present, then the others are required.
2. P0607 - If either W2806 or W2807 is present, then the other is required.

# W10 Warehouse Additional Carrier Information

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

**Purpose:** To transmit shipping information and requirements

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W1001	400	<b>Unit Load Option Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying loading or unloading a shipment <b>All valid standard codes are used. (Total Codes: 6)</b>				
W1002	406	<b>Quantity of Pallets Shipped</b>	O	N0	1/3	Used
		<b>Description:</b> Number of pallets shipped.				
W1003	399	<b>Pallet Exchange Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying pallet exchange instructions. <b>All valid standard codes are used. (Total Codes: 5)</b>				
W1004	225	<b>Seal Number</b>	O	AN	2/15	Used
		<b>Description:</b> Unique number on seal used to close a shipment.				
W1005	225	<b>Seal Number</b>	O	AN	2/15	Used
		<b>Description:</b> Unique number on seal used to close a shipment.				
W1006	408	<b>Temperature</b>	X	N0	1/3	Used
		<b>Description:</b> Temperature.				
W1007	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 719)</b>				
W1008	408	<b>Temperature</b>	X	N0	1/3	Used
		<b>Description:</b> Temperature.				
W1009	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 719)</b>				

## 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 Code Source Information

Pos: 160	Repeat: 10
Optional	
Loop: 0200	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
160	LM	Code Source Information	O	1		Used
170	LQ	Industry Code	M	100		Must use

# LM Code Source Information

Pos: 160	Max: 1
Heading - Optional	
Loop: 0200	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use

**Description:** Code identifying the agency assigning the code values.

**All valid standard codes are used. (Total Codes: 80)**

LM02	822	Source Subqualifier	O	AN	1/15	Used
------	-----	---------------------	---	----	------	------

**Description:** A reference that indicates the table or text maintained by the Source Qualifier.

## Comments:

- LM02 identifies the applicable industry code list source information.



# LQ Industry Code

Pos: 170	Max: 100
Heading - Mandatory	
Loop: 0200	Elements: 2

**User Option (Usage):** Must use

**Purpose:** Code to transmit standard industry codes

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LQ01	1270	<b>Code List Qualifier Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying a specific industry code list <b>All valid standard codes are used. (Total Codes: 183)</b>				
LQ02	1271	<b>Industry Code</b>	X	AN	1/20	Used
		<b>Description:</b> Code indicating a code from a specific industry code list				

## Syntax Rules:

1. C0102 - If LQ01 is present, then LQ02 is required.

# 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
020	W12	Warehouse Item Detail	O	1		Used
030	G69	Line Item Detail - Description	O	5		Used
040	N9	Reference Number	O	200		Used
050	G62	Date/Time	O	10		Used
055	QTY	Quantity	O	10		Used
060	AMT	Monetary Amount	O	1		Used
065	AT	Financial Accounting	O	1		Used
070	R4	Port	O	5		Used
075	W27	Carrier Detail	O	1		Used
080	N1	Name	O	5		Used
090		Loop 0310	O		10	Used
110		Loop 0320	O		>1	Used

# W12 Warehouse Item Detail

Pos: 020	Max: 1
Detail - Optional	
Loop: 0300	Elements: 20

**User Option (Usage):** Used

**Purpose:** To designate those line items that were shipped

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W1201	368	<b>Shipment/Order Status Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> 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.</p> <p><b>All valid standard codes are used. (Total Codes: 90)</b></p>						
W1202	330	<b>Quantity Ordered</b>	O	R	1/9	Used
<p><b>Description:</b> Quantity ordered.</p>						
W1203	382	<b>Number of Units Shipped</b>	O	R	1/10	Used
<p><b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.</p>						
W1204	383	<b>Quantity Difference</b>	O	R	1/9	Used
<p><b>Description:</b> Numeric value of variance between ordered and shipped quantities.</p>						
W1205	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
<p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><b>All valid standard codes are used. (Total Codes: 719)</b></p>						
W1206	438	<b>UPC Case Code</b>	X	AN	12/12	Used
<p><b>Description:</b> 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 ten digits are: Manufacturer (5) Case Code (5).</p>						
W1207	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).</p> <p><b>All valid standard codes are used. (Total Codes: 307)</b></p>						
W1208	234	<b>Product/Service ID</b>	X	AN	1/30	Used
<p><b>Description:</b> Identifying number for a product or service.</p>						
W1209	451	<b>Warehouse Lot Number</b>	O	AN	1/12	Used
<p><b>Description:</b> Reference number assigned by the warehouse.</p>						
W1210	81	<b>Weight</b>	X	R	1/10	Used
<p><b>Description:</b> Numeric value of weight.</p>						
W1211	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
<p><b>Description:</b> Code defining the type of weight.</p> <p><b>All valid standard codes are used. (Total Codes: 40)</b></p>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W1212	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used. (Total Codes: 7)</b>				
W1213	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight.				
W1214	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used. (Total Codes: 40)</b>				
W1215	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used. (Total Codes: 7)</b>				
W1216	438	<b>UPC Case Code</b>	O	AN	12/12	Used
		<b>Description:</b> 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 ten digits are: Manufacturer (5) Case Code (5).				
W1217	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used. (Total Codes: 307)</b>				
W1218	234	<b>Product/Service ID</b>	X	AN	1/30	Used
		<b>Description:</b> Identifying number for a product or service.				
W1219	892	<b>Line Item Change Reason Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code defining reason for any difference between quantity ordered and quantity shipped for a line item. <b>All valid standard codes are used. (Total Codes: 25)</b>				
W1220	893	<b>Warehouse Detail Adjustment Identifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code to identify detail line item as an adjustment to inventory levels. <b>All valid standard codes are used. (Total Codes: 2)</b>				

### 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.

# G69 Line Item Detail - Description

Pos: 030	Max: 5
Detail - Optional	
Loop: 0300	Elements: 1

**User Option (Usage):** Used

**Purpose:** To describe an item in free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6901	369	Free-form Description	M	AN	1/45	Must use

**Description:** Free-form descriptive text.

# N9 Reference Number

Pos: 040	Max: 200
Detail - Optional	
Loop: 0300	Elements: 6

**User Option (Usage):** Used

**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Number Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used. (Total Codes: 859)</b>				
N902	127	<b>Reference Number</b>	X	AN	1/30	Used
		<b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text.				
N904	373	<b>Date</b>	O	DT	6/6	Used
		<b>Description:</b> Date (YYMMDD).				
N905	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> 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)				
N906	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 39)</b>				

## 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.

# G62 Date/Time

Pos: 050	Max: 10
Detail - Optional	
Loop: 0300	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	<b>Date Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying type of date. <b>All valid standard codes are used. (Total Codes: 127)</b>				
G6202	373	<b>Date</b>	X	DT	6/6	Used
		<b>Description:</b> Date (YYMMDD).				
G6203	176	<b>Time Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the reported time. <b>All valid standard codes are used. (Total Codes: 36)</b>				
G6204	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> 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)				
G6205	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 39)</b>				
G6206	624	<b>Century</b>	O	N0	2/2	Used
		<b>Description:</b> The first two characters in the designation of the year (CCYY).				

## 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.

# QTY Quantity

Pos: 055	Max: 10
Detail - Optional	
Loop: 0300	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify quantity information.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use
<p><b>Description:</b> Code specifying the type of quantity.  <b>All valid standard codes are used. (Total Codes: 326)</b></p>						
QTY02	380	Quantity	M	R	1/15	Must use
<p><b>Description:</b> Numeric value of quantity.</p>						
QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
<p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  <b>All valid standard codes are used. (Total Codes: 719)</b></p>						



# AMT Monetary Amount

Pos: 060	Max: 1
Detail - Optional	
Loop: 0300	Elements: 2

**User Option (Usage):** Used

**Purpose:** To indicate the total monetary amount.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code to qualify amount				
		<b>All valid standard codes are used. (Total Codes: 432)</b>				
AMT02	782	<b>Monetary Amount</b>	M	R	1/15	Must use
		<b>Description:</b> Monetary amount.				

# AT Financial Accounting

Pos: 065	Max: 1
Detail - Optional	
Loop: 0300	Elements: 9

**User Option (Usage):** Used

**Purpose:** To transmit financial accounting data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT01	1281	<b>Fund Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying a specific appropriation or fund account to be charged or credited				
AT02	1282	<b>Treasury Symbol Number</b>	O	AN	7/21	Used
		<b>Description:</b> Number identifying a department, fiscal year, and appropriation limit for a standard accounting classification coding structure				
AT03	1283	<b>Budget Activity Number</b>	O	AN	1/16	Used
		<b>Description:</b> Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure				
AT04	1284	<b>Object Class Number</b>	O	AN	3/12	Used
		<b>Description:</b> Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure				
AT05	1285	<b>Reimbursable Source Number</b>	O	AN	1/3	Used
		<b>Description:</b> Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure				
AT06	1286	<b>Transaction Reference Number</b>	O	AN	4/20	Used
		<b>Description:</b> Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure				
AT07	1287	<b>Accountable Station Number</b>	O	AN	3/8	Used
		<b>Description:</b> Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure				
AT08	1288	<b>Paying Station Number</b>	O	AN	8/14	Used
		<b>Description:</b> Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure				
AT09	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content.				

## Comments:

1. AT09 identifies unique local activity financial accounting information

# R4 Port

Pos: 070	Max: 5
Detail - Optional	
Loop: 0300	Elements: 8

**User Option (Usage):** Used

**Purpose:** Contractual or operational port or point relevant to the movement of the cargo.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R401	115	<b>Port Function Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code defining function performed at the port with respect to a shipment. <b>All valid standard codes are used. (Total Codes: 27)</b>				
R402	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location. <b>All valid standard codes are used. (Total Codes: 83)</b>				
R403	310	<b>Location Identifier</b>	X	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location.				
R404	114	<b>Port Name</b>	O	AN	2/24	Used
		<b>Description:</b> Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property.				
R405	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country.				
R406	174	<b>Terminal Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form field for terminal name.				
R407	113	<b>Pier Number</b>	O	AN	1/4	Used
		<b>Description:</b> Identifying number for the pier.				
R408	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.				

## Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

## Comments:

1. R4 is required for each port to be identified.

# W27 Carrier Detail

Pos: 075	Max: 1
Detail - Optional	
Loop: 0300	Elements: 10

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W2701	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used. (Total Codes: 70)</b>				
W2702	140	<b>Standard Carrier Alpha Code</b>	X	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
W2703	387	<b>Routing</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.				
W2704	146	<b>Shipment Method of Payment</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used. (Total Codes: 28)</b>				
W2705	40	<b>Equipment Description Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used. (Total Codes: 125)</b>				
W2706	206	<b>Equipment Initial</b>	O	AN	1/4	Used
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.				
W2707	207	<b>Equipment Number</b>	O	AN	1/10	Used
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).				
W2708	368	<b>Shipment/Order Status Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 90)</b>				
W2709	152	<b>Special Handling Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used. (Total Codes: 344)</b>				
W2710	890	<b>Carrier/Route Change Reason Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code reflecting reason a requested carrier or route was changed. <b>All valid standard codes are used. (Total Codes: 16)</b>				

## Syntax Rules:

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

**Semantics:**

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

# N1 Name

Pos: 080	Max: 5
Detail - Optional	
Loop: 0300	Elements: 6

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>				
N102	93	<b>Name</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form name.				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used. (Total Codes: 138)</b>				
N104	67	<b>Identification Code</b>	X	AN	2/17	Used
		<b>Description:</b> Code identifying a party or other code.				
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code describing entity relationship. <b>All valid standard codes are used. (Total Codes: 31)</b>				
N106	98	<b>Entity Identifier Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>				

## 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.

# Loop Code Source Information

Pos: 090	Repeat: 10
Optional	
Loop: 0310	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
090	LM	Code Source Information	O	1		Used
100	LQ	Industry Code	M	100		Must use

# LM Code Source Information

Pos: 090	Max: 1
Detail - Optional	
Loop: 0310	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use

**Description:** Code identifying the agency assigning the code values.

**All valid standard codes are used. (Total Codes: 80)**

LM02	822	Source Subqualifier	O	AN	1/15	Used
------	-----	---------------------	---	----	------	------

**Description:** A reference that indicates the table or text maintained by the Source Qualifier.

## Comments:

- LM02 identifies the applicable industry code list source information.



# LQ Industry Code

Pos: 100	Max: 100
Detail - Mandatory	
Loop: 0310	Elements: 2

**User Option (Usage):** Must use

**Purpose:** Code to transmit standard industry codes

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LQ01	1270	<b>Code List Qualifier Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying a specific industry code list <b>All valid standard codes are used. (Total Codes: 183)</b>				
LQ02	1271	<b>Industry Code</b>	X	AN	1/20	Used
		<b>Description:</b> Code indicating a code from a specific industry code list				

## Syntax Rules:

1. C0102 - If LQ01 is present, then LQ02 is required.

# Loop Assigned Number

Pos: 110	Repeat: >1
Optional	
Loop: 0320	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To reference a line number in a transaction set.

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
110	LX	Assigned Number	O	1		Used
120	N9	Reference Number	O	>1		Used
130	G62	Date/Time	O	10		Used
140	N1	Name	O	1		Used
150		Loop 0321	O		10	Used

# LX Assigned Number

Pos: 110	Max: 1
Detail - Optional	
Loop: 0320	Elements: 1

**User Option (Usage):** Used

**Purpose:** To reference a line number in a transaction set.

## Element Summary:

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

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

# N9 Reference Number

Pos: 120	Max: >1
Detail - Optional	
Loop: 0320	Elements: 6

**User Option (Usage):** Used

**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Number Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used. (Total Codes: 859)</b>				
N902	127	<b>Reference Number</b>	X	AN	1/30	Used
		<b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text.				
N904	373	<b>Date</b>	O	DT	6/6	Used
		<b>Description:</b> Date (YYMMDD).				
N905	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</b> 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)				
N906	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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. <b>All valid standard codes are used. (Total Codes: 39)</b>				

## 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.

# G62 Date/Time

Pos: 130	Max: 10
Detail - Optional	
Loop: 0320	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	<b>Date Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying type of date.						
<b>All valid standard codes are used. (Total Codes: 127)</b>						
G6202	373	<b>Date</b>	X	DT	6/6	Used
<b>Description:</b> Date (YYMMDD).						
G6203	176	<b>Time Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code specifying the reported time.						
<b>All valid standard codes are used. (Total Codes: 36)</b>						
G6204	337	<b>Time</b>	X	TM	4/8	Used
<b>Description:</b> 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)						
G6205	623	<b>Time Code</b>	O	ID	2/2	Used
<b>Description:</b> 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.						
<b>All valid standard codes are used. (Total Codes: 39)</b>						
G6206	624	<b>Century</b>	O	N0	2/2	Used
<b>Description:</b> The first two characters in the designation of the year (CCYY).						

## 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.

# N1 Name

Pos: 140	Max: 1
Detail - Optional	
Loop: 0320	Elements: 6

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>				
N102	93	<b>Name</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form name.				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used. (Total Codes: 138)</b>				
N104	67	<b>Identification Code</b>	X	AN	2/17	Used
		<b>Description:</b> Code identifying a party or other code.				
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code describing entity relationship. <b>All valid standard codes are used. (Total Codes: 31)</b>				
N106	98	<b>Entity Identifier Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used. (Total Codes: 687)</b>				

## 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.

# Loop Code Source Information

Pos: 150	Repeat: 10
Optional	
Loop: 0321	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
150	LM	Code Source Information	O	1		Used
160	LQ	Industry Code	M	100		Must use

# LM Code Source Information

Pos: 150	Max: 1
Detail - Optional	
Loop: 0321	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	<b>Agency Qualifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying the agency assigning the code values.

**All valid standard codes are used. (Total Codes: 80)**

LM02	822	<b>Source Subqualifier</b>	O	AN	1/15	Used
------	-----	----------------------------	---	----	------	------

**Description:** A reference that indicates the table or text maintained by the Source Qualifier.

## Comments:

1. LM02 identifies the applicable industry code list source information.



# LQ Industry Code

Pos: 160	Max: 100
Detail - Mandatory	
Loop: 0321	Elements: 2

**User Option (Usage):** Must use

**Purpose:** Code to transmit standard industry codes

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LQ01	1270	<b>Code List Qualifier Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying a specific industry code list <b>All valid standard codes are used. (Total Codes: 183)</b>				
LQ02	1271	<b>Industry Code</b>	X	AN	1/20	Used
		<b>Description:</b> Code indicating a code from a specific industry code list				

## Syntax Rules:

1. C0102 - If LQ01 is present, then LQ02 is required.

# W03 Total Shipment Information

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

**User Option (Usage):** Used

**Purpose:** To provide totals relating to the shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W0301	382	<b>Number of Units Shipped</b>	M	R	1/10	Must use
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.				
W0302	81	<b>Weight</b>	M	R	1/10	Must use
		<b>Description:</b> Numeric value of weight.				
W0303	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 719)</b>				
W0304	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure.				
W0305	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 719)</b>				
W0306	80	<b>Lading Quantity</b>	X	N0	1/7	Used
		<b>Description:</b> Number of units (pieces) of the lading commodity.				
W0307	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 719)</b>				

## Syntax Rules:

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

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> 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.