



# **940 Warehouse Shipping Order - BISG**

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For Information Contact:

[info@edifecs.com](mailto:info@edifecs.com)

(425) 452-0650

[www.edifecs.com](http://www.edifecs.com)

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## 940

**Warehouse Shipping Order****Functional Group=OW**

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Warehouse Shipping Order Transaction Set (940) for use within the context of an Electronic Data Interchange (EDI) environment.

This transaction set can be used to enable the depositor to advise a warehouse to make a shipment, confirm a shipment, or modify or cancel a previously transmitted shipping order.

The Warehouse Shipping Order (940) is a business message used by the seller to authorize the public warehouse to make a shipment to a buyer. It specifies what products to ship and the quantity of each. Using this message, the seller can advise the warehouse of an original, confirmation, change, replacement or cancellation of an shipment.

**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>
0100	ST	Transaction Set Header	M	1			Must use
0200	W05	Shipping Order Identification	M	1			Must use
<b>LOOP ID - 0100</b>					<b>10</b>		
0400	N1	Party Identification	O	1			Used
0500	N2	Additional Name Information	O	2			Used
0600	N3	Party Location	O	2			Used
0700	N4	Geographic Location	O	1			Used
0900	N9	Extended Reference Information	O	10			Used
1000	G61	Contact	O	3			Not used
1100	G62	Date/Time	O	10			Used
1400	W66	Warehouse Carrier Information	O	1			Used

**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>≥1</b>		
0050	LX	Transaction Set Line Number	O	1			Used
0160	N1	Party Identification	O	1			Used
0170	G62	Date/Time	O	10			Used
0190	N9	Extended Reference Information	O	>1			Used
<b>LOOP ID - 0310</b>					<b>≥1</b>		
0200	W01	Line Item Detail - Warehouse	O	1			Used
0400	N9	Extended Reference Information	O	200			Used
0450	NTE	Note/Special Instruction	O	>1			Used
0500	W20	Line Item Detail - Packing	O	3			Used
0800	AMT	Monetary Amount Information	O	>1			Used

**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>
0100	W76	Total Shipping Order	O	1			Used
0200	SE	Transaction Set Trailer	M	1			Must use

# ST Transaction Set Header

Pos: 0100	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
<b>Description:</b> Code uniquely identifying a Transaction Set						
		<u>Code</u>	<u>Name</u>			
		940	Warehouse Shipping Order			
ST02	329	Transaction Set Control Number	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						

## Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# W05 Shipping Order Identification

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

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

**Purpose:** To transmit identifying numbers and other basic data for this transaction set.

In Publishing, this can be the publishers order number when used as an instruction to the bindery to ship products on behalf of the publisher to an alternate receiver.

## 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>
W0501	473	<b>Order Status Code</b>	M	ID	1/1	Must use
<b>Description:</b> Code identifying purpose of transaction set						
		<u>Code</u>		<u>Name</u>		
		F		Cancel		
		N		Original		
		R		Change		
W0502	285	<b>Depositor Order Number</b>	M	AN	1/22	Must use
<b>Description:</b> Identifying number for warehouse shipping order assigned by the depositor						
W0503	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
W0506	640	<b>Transaction Type Code</b>	O	ID	2/2	Used
<b>Description:</b> Code specifying the type of transaction						
		<u>Code</u>		<u>Name</u>		
		CL		Customer Allocation		
W0508	92	<b>Purchase Order Type Code</b>	O	ID	2/2	Used
<b>Description:</b> Code specifying the type of Purchase Order						
		<u>Code</u>		<u>Name</u>		
		RL		Release or Delivery Order		
		RO		Rush Order		

## Syntax Rules:

1. P0405 - If either W0504 or W0505 is present, then the other is required.

# Loop Party Identification

Pos: 0400	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

**User Option (Usage):** Used

**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>
0400	N1	Party Identification	O	1		Used
0500	N2	Additional Name Information	O	2		Used
0600	N3	Party Location	O	2		Used
0700	N4	Geographic Location	O	1		Used

# N1 Party Identification

<b>Pos: 0400</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: 0100</b>	<b>Elements: 4</b>

**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	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
		<u>Code</u>		<u>Name</u>		
		BT		Bill-to-Party		
		MF		Manufacturer of Goods		
		SF		Ship From		
		ST		Ship To		
		VN		Vendor		
N102	93	<b>Name</b>	X	AN	1/60	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)						
		<u>Code</u>		<u>Name</u>		
		1		D-U-N-S Number, Dun & Bradstreet		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		15		Standard Address Number (SAN)		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
		UL		Global Location Number (GLN)		
		ZZ		Mutually Defined		
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> 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.
3. Party Identification is an important requirement in this segment. Party Identification should include the Bill to, Ship to, Publisher and the Manufacturer Identities whenever possible.



**N2**

## Additional Name Information

Pos: 0500	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

**User Option (Usage):** Used**Purpose:** To specify additional names**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	1/60	Must use
		<b>Description:</b> Free-form name				
N202	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				

# N3 Party Location

Pos: 0600	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	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 0700	Max: 1
Heading - Optional	
Loop: 0100	Elements: 4

**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>	X	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	3/15	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>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

## Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

**N9****Extended Reference Information**

Pos: 0900	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used**Purpose:** To transmit identifying information as specified by the Reference Identification 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	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		DP		Department Number		
		IA		Internal Vendor Number		
		IV		Seller's Invoice Number		
		WO		Work Order Number		
N902	127	Reference Identification	X	AN	1/80	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

**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.
2. N907 contains data relating to the value cited in N902.

**Comments:**

1. The Customer Purchase order is necessary(M) for Direct (bindery) shipments and Optional (O)in any other circumstance.
2. It is recommended that the sender references both purchase order numbers, one from the publisher and one for the receiving customer so that the order can reference both purchase orders and on receipt of the 945 in response to this message, all data ties together.

# G61 Contact

<b>Pos: 1000</b>	<b>Max: 3</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 5</b>

**User Option (Usage):** Not 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
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>		<u>Name</u>		
		AJ		Primary Contact		
G6102	93	<b>Name</b>	M	AN	1/60	Must use
<b>Description:</b> Free-form name						
G6103	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
G6104	364	<b>Communication Number</b>	X	AN	1/256	Used
<b>Description:</b> Complete communications number including country or area code when applicable						
G6105	443	<b>Contact Inquiry Reference</b>	O	AN	1/20	Used
<b>Description:</b> Additional reference number or description to clarify a contact number						

## 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: 1100	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

**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						
		<u>Code</u>		<u>Name</u>		
		01		Cancel After This Date		
		10		Requested Ship Date/Pickup Date		
G6202	373	<b>Date</b>	X	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
G6204	337	<b>Time</b>	X	TM	4/8	Not 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	Not 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						
		<u>Code</u>		<u>Name</u>		
		AD		Alaska Daylight Time		
		AS		Alaska Standard Time		
		AT		Alaska Time		
		CD		Central Daylight Time		
		CS		Central Standard Time		
		CT		Central Time		
		ED		Eastern Daylight Time		
		ES		Eastern Standard Time		
		ET		Eastern Time		
		GM		Greenwich Mean Time		
		HD		Hawaii-Aleutian Daylight Time		
		HS		Hawaii-Aleutian Standard Time		
		HT		Hawaii-Aleutian Time		
		MD		Mountain Daylight Time		
		MS		Mountain Standard Time		
		MT		Mountain Time		
		ND		Newfoundland Daylight Time		
		NS		Newfoundland Standard Time		
		NT		Newfoundland Time		
		PD		Pacific Daylight Time		
		PS		Pacific Standard Time		
		PT		Pacific Time		
		TD		Atlantic Daylight Time		

TS	Atlantic Standard Time
TT	Atlantic Time

**Syntax Rules:**

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

# W66 Warehouse Carrier Information

Pos: 1400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify transportation instructions relating to 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>
W6601	146	<b>Shipment Method of Payment</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying payment terms for transportation charges						
		<u>Code</u>		<u>Name</u>		
		TP		Third Party Pay		
W6602	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						
		<u>Code</u>		<u>Name</u>		
		A		Air		
		M		Motor (Common Carrier)		
W6605	387	<b>Routing</b>	O	AN	1/35	Used
<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity						
W6608	625	<b>COD Method of Payment Code</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating method of payment acceptable for C.O.D. charge collection <b>All valid standard codes are used.</b>						
W6609	610	<b>Amount</b>	X	N2	1/15	Used
<b>Description:</b> Monetary amount						
W6610	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
<b>Description:</b> Standard Carrier Alpha Code						

## Syntax Rules:

1. P0809 - If either W6608 or W6609 is present, then the other is required.

## Semantics:

1. W6609 is the monetary amount of the charges to be collected on delivery of order.



# Loop Transaction Set Line Number

Pos: 0050	Repeat: >1
Optional	
Loop: 0300	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>
0050	LX	Transaction Set Line Number	O	1		Used
0160	N1	Party Identification	O	1		Used
0170	G62	Date/Time	O	10		Used
0190	N9	Extended Reference Information	O	>1		Used
0200		Loop 0310	O		>1	Used

**LX**

## Transaction Set Line Number

Pos: 0050	Max: 1
Detail - Optional	
Loop: 0300	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

# N1 Party Identification

Pos: 0160	Max: 1
Detail - Optional	
Loop: 0300	Elements: 4

**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	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u>		<u>Name</u>		
		SF		Ship From		
		ST		Ship To		
N102	93	<b>Name</b>	X	AN	1/60	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)				
		<u>Code</u>		<u>Name</u>		
		12		Telephone Number (Phone)		
		15		Standard Address Number (SAN)		
		ZZ		Mutually Defined		
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> 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.

# G62 Date/Time

Pos: 0170	Max: 10
Detail - Optional	
Loop: 0300	Elements: 5

**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.</b>				
G6202	373	<b>Date</b>	X	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
G6203	176	<b>Time Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code specifying the reported time <b>All valid standard codes are used.</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.</b>				

## 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.

# N9 Extended Reference Information

Pos: 0190	Max: >1
Detail - Optional	
Loop: 0300	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification 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	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		LI		Line Item Identifier (Seller's)		
		OP		Original Purchase Order		
		PO		Purchase Order Number		

N902	127	Reference Identification	X	AN	1/80	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

## 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.
2. N907 contains data relating to the value cited in N902.

# Loop Line Item Detail - Warehouse

Pos: 0200	Repeat: >1
Optional	
Loop: 0310	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit basic and most frequent shipment-related line-item data elements

## 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>
0200	W01	Line Item Detail - Warehouse	O	1		Used
0400	N9	Extended Reference Information	O	200		Used
0450	NTE	Note/Special Instruction	O	>1		Used
0500	W20	Line Item Detail - Packing	O	3		Used
0800	AMT	Monetary Amount Information	O	>1		Used

# W01 Line Item Detail - Warehouse

<b>Pos: 0200</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: 0310</b>	<b>Elements: 9</b>

**User Option (Usage):** Used

**Purpose:** To transmit basic and most frequent shipment-related line-item data elements

## 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>
W0101	380	<b>Quantity</b>	M	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				
W0102	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				
W0103	438	<b>U.P.C. Case Code</b>	X	AN	12/12	Used
		<b>Description:</b> 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)				
W0104	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)				
		<u>Code</u>	<u>Name</u>			
		CB	Buyer's Catalog Number			
		EN	GTIN EAN/UCC - 13 Digit Data Structure			
		IB	International Standard Book Number (ISBN)			
		UK	GTIN 14-digit Data Structure			
		UP	GTIN UCC - 12 Digit Data Structure			
W0105	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
W0106	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)				
		<u>Code</u>	<u>Name</u>			
		CB	Buyer's Catalog Number			
		EN	GTIN EAN/UCC - 13 Digit Data Structure			
		IB	International Standard Book Number (ISBN)			
		UK	GTIN 14-digit Data Structure			
		UP	GTIN UCC - 12 Digit Data Structure			
W0107	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
W0106	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)				
		<u>Code</u>	<u>Name</u>			
		CB	Buyer's Catalog Number			
		EN	GTIN EAN/UCC - 13 Digit Data Structure			
		IB	International Standard Book Number (ISBN)			

		UK	GTIN 14-digit Data Structure				
		UP	GTIN UCC - 12 Digit Data Structure				
W0107	234	<b>Product/Service ID</b>		X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service							

### Syntax Rules:

1. R0304 - At least one of W0103 or W0104 is required.
2. P0405 - If either W0104 or W0105 is present, then the other is required.
3. P0607 - If either W0106 or W0107 is present, then the other is required.
4. P1011 - If either W0110 or W0111 is present, then the other is required.
5. P1516 - If either W0115 or W0116 is present, then the other is required.

### Semantics:

1. W0101 is quantity ordered.



**N9****Extended Reference  
Information**

<b>Pos: 0400</b>	<b>Max: 200</b>
<b>Detail - Optional</b>	
<b>Loop: 0310</b>	<b>Elements: 2</b>

**User Option (Usage):** Used**Purpose:** To transmit identifying information as specified by the Reference Identification 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	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		LI		Line Item Identifier (Seller's)		
		OP		Original Purchase Order		
		PO		Purchase Order Number		

N902	127	Reference Identification	X	AN	1/80	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier**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.
2. N907 contains data relating to the value cited in N902.

# NTE Note/Special Instruction

Pos: 0450	Max: >1
Detail - Optional	
Loop: 0310	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.</b>						
NTE02	352	<b>Description</b>	M	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## Comments:

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

# W20 Line Item Detail - Packing

Pos: 0500	Max: 3
Detail - Optional	
Loop: 0310	Elements: 10

**User Option (Usage):** Used

**Purpose:** To specify packing details of the items 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>
W2001	356	<b>Pack</b>	O	N0	1/6	Used
		<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container				
W2002	357	<b>Size</b>	X	R	1/8	Used
		<b>Description:</b> Size of supplier units in pack				
W2003	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				
		<u>Code</u>		<u>Name</u>		
		EA		Each		
		UN		Unit		
W2004	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
W2005	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight				
		<u>Code</u>		<u>Name</u>		
		G		Gross Weight		
W2006	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit				
		<u>Code</u>		<u>Name</u>		
		L		Pounds		
W2007	395	<b>Unit Weight</b>	O	R	1/8	Used
		<b>Description:</b> Numeric value of weight per unit				
W2008	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
W2009	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				
		<u>Code</u>		<u>Name</u>		
		CF		Cubic Feet		
		CI		Cubic Inches		
W2010	397	<b>Color</b>	O	AN	1/10	Used
		<b>Description:</b> Free-form description of color				

## Syntax Rules:

1. P0203 - If either W2002 or W2003 is present, then the other is required.
2. P040506 - If either W2004, W2005 or W2006 are present, then the others are required.

3. P0809 - If either W2008 or W2009 is present, then the other is required.

# AMT Monetary Amount Information

Pos: 0800	Max: >1
Detail - Optional	
Loop: 0310	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	1/3	Must use
		<b>Description:</b> Code to qualify amount				
		<u>Code</u>		<u>Name</u>		
		LP		List Price		
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Must use
		<b>Description:</b> Monetary amount				

# W76 Total Shipping Order

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume

## 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>
W7601	380	<b>Quantity</b>	M	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				
W7602	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
W7603	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				
		<u>Code</u>		<u>Name</u>		
		KG		Kilogram		
		LB		Pound		

## Syntax Rules:

1. P0203 - If either W7602 or W7603 is present, then the other is required.
2. P0405 - If either W7604 or W7605 is present, then the other is required.
3. C0603 - If W7606 is present, then W7603 is required.

## Semantics:

1. W7601 is quantity ordered.

## Comments:

1. Quantity ordered (W7601) is a hash total and the unit of measure is not required.

# SE Transaction Set Trailer

Pos: 0200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<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	Number of Included Segments	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	Transaction Set Control Number	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.