



940 Warehouse Shipping Order - Canada

VICS EDI

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Author:	GS1 Canada and GS1 US
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Table of Contents

940	Warehouse Shipping Order - Canada	1
ST	Transaction Set Header	5
W05	Shipping Order Identification	6
0100	Loop Party Identification	7
N1	Party Identification	8
N2	Additional Name Information	10
N3	Party Location	11
N4	Geographic Location	12
N9	Extended Reference Information	14
G61	Contact	15
G62	Date/Time	16
NTE	Note/Special Instruction	18
W09	Equipment and Temperature	19
W66	Warehouse Carrier Information	21
0300	Loop Transaction Set Line Number	23
LX	Transaction Set Line Number	24
MAN	Marks and Numbers Information	25
0310	Loop Line Item Detail - Warehouse	28
W01	Line Item Detail - Warehouse	29
SLN	Subline Item Detail	40
W6	Special Handling Information	47
G69	Line Item Detail - Description	50
N9	Extended Reference Information	51
W20	Line Item Detail - Packing	52
AMT	Monetary Amount Information	63
G62	Date/Time	64
MEA	Measurements	65
W76	Total Shipping Order	66
SE	Transaction Set Trailer	76

940 Warehouse Shipping Order - Canada

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 or other business party to advise a warehouse to make a shipment, confirm a shipment, or modify or cancel a previously transmitted shipping order.

User Note 1:

This 940 Warehouse Shipping Order implementation guideline is for use in Canada.

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>	<u>Page</u>
0100	ST	Transaction Set Header	M	1			Must use	5
0200	W05	Shipping Order Identification	M	1			Must use	6
LOOP ID - 0100						10		7
0400	N1	Party Identification	O	1			Used	8
0500	N2	Additional Name Information	O	2			Used	10
0600	N3	Party Location	O	2			Used	11
0700	N4	Geographic Location	O	1			Used	12
* 0800	PER	Administrative Communications Contact	O	5				N/A
0900	N9	Extended Reference Information	O	10			Used	14
1000	G61	Contact	O	3			Used	15
1100	G62	Date/Time	O	10			Used	16
1200	NTE	Note/Special Instruction	O	>1			Used	18
1300	W09	Equipment and Temperature	O	1			Used	19
1400	W66	Warehouse Carrier Information	O	1			Used	21
* 1500	W6	Special Handling Information	O	5				N/A
* 1530	R2	Route Information	O	13				N/A
* 1560	BNX	Rail Shipment Information	O	1				N/A
* 1565	PAL	Pallet Type and Load Characteristics	O	1				N/A
* LOOP ID - 0150						1		N/A
* 1570	TD3	Carrier Details (Equipment)	O	1				N/A
* 1580	AT9	Trailer or Container Dimension and Weight	O	1				N/A
* LOOP ID - 0200						10		N/A
* 1600	LM	Code Source Information	O	1				N/A
* 1700	LQ	Industry Code	M	100				N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u> Identification	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
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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>	<u>Page</u>
LOOP ID - 0300					>1			23
0050	LX	Transaction Set Line Number	O	1			Used	24
0100	MAN	Marks and Numbers Information	O	>1			Used	25
* 0150	SDQ	Destination Quantity	O	>1				N/A
* 0160	N1	Party Identification	O	1				N/A
* 0170	G62	Date/Time	O	10				N/A
* 0190	N9	Extended Reference Information	O	>1				N/A
LOOP ID - 0310					>1			28
0200	W01	Line Item Detail - Warehouse	O	1			Used	29
0225	SLN	Subline Item Detail	O	>1			Used	40
0250	W6	Special Handling Information	O	1			Used	47
0300	G69	Line Item Detail - Description	O	5			Used	50
0400	N9	Extended Reference Information	O	>1			Used	51
* 0450	NTE	Note/Special Instruction	O	>1				N/A
0500	W20	Line Item Detail - Packing	O	3			Used	52
* 0700	QTY	Quantity Information	O	10				N/A
0800	AMT	Monetary Amount Information	O	>1			Used	63
0900	G62	Date/Time	O	10			Used	64
* 1000	G66	Transportation Instructions	O	1				N/A
1050	MEA	Measurements	O	>1			Used	65
* LOOP ID - N1					>1			N/A
* 1100	N1	Party Identification	O	1				N/A
* 1101	N2	Additional Name Information	O	1				N/A
* 1102	N3	Party Location	O	1				N/A
* 1103	N4	Geographic Location	O	1				N/A
* 1120	PER	Administrative Communications Contact	O	5				N/A
* 1140	LH2	Hazardous Classification Information	O	6				N/A
* 1160	LHR	Hazardous Material Identifying Reference Numbers	O	1				N/A
* 1180	LH6	Hazardous Certification	O	5				N/A

<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>	<u>Page</u>
* 1190	PAL	Pallet Type and Load Characteristics	O	1				N/A
* LOOP ID - 0320					10			N/A
* 1200	LM	Code Source Information	O	1				N/A
* 1300	LQ	Industry Code Identification	M	100				N/A
* LOOP ID - LS					1			N/A
* 1350	LS	Loop Header	O	1				N/A
* LOOP ID - 0330					>1	N2/1400L		N/A
* 1400	LX	Transaction Set Line Number	O	1				N/A
* 1500	N9	Extended Reference Information	O	>1				N/A
* 1600	G62	Date/Time	O	10				N/A
* 1700	N1	Party Identification	O	1				N/A
* 1750	SDQ	Destination Quantity	O	>1				N/A
* LOOP ID - 0331					10			N/A
* 1800	LM	Code Source Information	O	1				N/A
* 1900	LQ	Industry Code Identification	M	100				N/A
* LOOP ID - 0332					>1			N/A
* 2000	LH1	Hazardous Identification Information	O	1				N/A
* 2100	LH2	Hazardous Classification Information	O	4				N/A
* 2200	LH3	Hazardous Material Shipping Name Information	O	10				N/A
* 2300	LFH	Free-form Hazardous Material Information	O	20				N/A
* 2400	LEP	EPA Required Data	O	3				N/A
* 2500	LH4	Canadian Dangerous Requirements	O	1				N/A
* 2600	LHT	Transborder Hazardous Requirements	O	3				N/A
* 2700	LHR	Hazardous Material Identifying Reference Numbers	O	10				N/A
* 2800	PER	Administrative Communications Contact	O	5				N/A
* 2850	LE	Loop Trailer	M	1				N/A
* LOOP ID - 0340					>1			N/A
* 2900	FA1	Type of Financial Accounting Data	O	1				N/A
* 3000	FA2	Accounting Data	M	>1				N/A

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>	<u>Page</u>
0100	W76	Total Shipping Order	O	1			Used	66
0200	SE	Transaction Set Trailer	M	1			Must use	76

Notes:

2/1400L The LX loop conveys serial number data.

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

Description: Code identifying a Transaction Set**User Note 1:** 940 Warehouse Shipping Order - Canada**Code List Summary** (Total Codes: 323, Included: 1)**Code Name**

940 Warehouse Shipping Order

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set**User Note 1:** The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.**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: 4

User Option (Usage): Must use

Purpose: To transmit identifying numbers 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>
W0501	473	Order Status Code	M	ID	1/1	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 14, Included: 4)

Code Name

F	Cancel
L	Line Item Replace

User Note 1:

This code may be used only in an Item Warehouse Shipping Order to replace all information about the product identified in the W01 segment(s).

N	Original
R	Change

User Note 1:

Replace all details about a previously transmitted warehouse shipping order

W0502	285	Depositor Order Number	M	AN	1/22	Must use
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Description: Identifying number for warehouse shipping order assigned by the depositor

W0503	324	Purchase Order Number	O	AN	1/22	Used
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Description: Identifying number for Purchase Order assigned by the orderer/purchaser

W0506	640	Transaction Type Code	O	ID	2/2	Used
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Description: Code specifying the type of transaction

Code List Summary (Total Codes: 551, Included: 1)

Code Name

CL	Customer Allocation
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User Note 1:

Direct shipment to end consumer

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

Pos: 0400	Max: 1
Heading - Optional	
Loop: 0100	Elements: 4

User Option (Usage): Used**Purpose:** To identify a party by type of organization, name, and code**User Note 1:**

The ship-to location (N101 contains code ST) may be specified in the header area or the detail area, but not both.

N103 and N104 are required except when N101 contains code OB.

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	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1538, Included: 13)

Code Name

BS Bill and Ship To
 BT Bill-to-Party
 CI Consignor
 CN Consignee
 DC Destination Carrier

User Note 1:

Pool distributor

DE Depositor
 DS Distributor
 MA Party for whom Item is Ultimately Intended

User Note 1:

Buyers ultimate distribution location, e.g. Store

OB Ordered By

User Note 1:

Customer of retailer

SF Ship From
 SH Shipper
 ST Ship To
 WH Warehouse

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code specifying the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 259, Included: 10)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet User Note 1: See External Code Source 16.
2	Standard Carrier Alpha Code (SCAC) User Note 1: See External Code Source 17.
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix User Note 1: See External Code Source 16.
21	Health Industry Number (HIN) User Note 1: See External Code Source 121.
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
93	Code assigned by the organization originating the transaction set
94	Code assigned by the organization that is the ultimate destination of the transaction set
UL	Global Location Number (GLN) Description: A globally unique 13 digit code used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key User Note 1: See External Code Source 583.
UM	GS1 Global Location Number with Extension Component Description: A globally unique 13-digit code with a one to twenty character extension component used, for the identification of a legal or physical location
N104	67 Identification Code X AN 2/80 Used Description: Code identifying a party or other code User Note 1: This is the location code as defined by N103. The location code may be a formal number, e.g., GLN, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.

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: 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	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: 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	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 0700	Max: 1
Heading - Optional	
Loop: 0100	Elements: 7

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	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code specifying the Standard State/Province as defined by appropriate government agency				
		User Note 1: See External Code Source 22.				
N403	116	Postal Code	X	ID	3/15	Used
		Description: Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
		User Note 1: See External Code Source 51.				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				
		User Note 1: See External Code Source 5.				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code List Summary (Total Codes: 184, Included: 1)				
		Code Name				
		FF Foreign Freight Forwarder Location				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				
		User Note 1: EN English				
		FR French				
N408	1702	Postal Code-Formatted	X	AN	3/20	Used
		Description: A postal code value including punctuation, blanks and other characters as defined by the postal authority				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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.
2. N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

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

Description: Code identifying the Reference Identification

Code List Summary (Total Codes: 1904, Included: 11)

Code Name

55 Sequence Number
CO Customer Order Number

User Note 1:

Customer of retailer

DP Department Number
MB Master Bill of Lading
PO Purchase Order Number
QN Stop Sequence Number
RU Route Number
RZ Returned Goods Authorization Number
SE Serial Number
SI Shipper's Identifying Number for Shipment (SID)

Description: A unique number (to the shipper) assigned by the shipper to identify the shipment

VN Vendor Order Number

N902	127	Reference Identification	X	AN	1/80	Must use
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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.

G61 Contact

Pos: 1000	Max: 3
Heading - Optional	
Loop: N/A	Elements: 4

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	Contact Function Code	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named**Code List Summary** (Total Codes: 242, Included: 1)**Code Name**

CR Customer Relations

G6102	93	Name	M	AN	1/60	Must use
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Description: Free-form name

G6103	365	Communication Number Qualifier	X	ID	2/2	Used
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Description: Code identifying the type of communication number**Code List Summary** (Total Codes: 96, Included: 4)**Code Name**

EA Internet Email Address

Description: Internet based electronic mail address with a structure of "ADDRESSEE @ DOMAIN NAME . DOMAIN NAME EXTENSION"

EM Electronic Mail

FX Facsimile

TE Telephone

G6104	364	Communication Number	X	AN	1/2048	Used
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Description: Complete communications number including country or area code when applicable**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

User Note 1:

This segment may be used in the header area or the detail area, but not both.

Element Summary:

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

Description: Code specifying type of date

Code List Summary (Total Codes: 146, Included: 9)

Code Name

- 01 Cancel After This Date
- 02 Delivery Requested on This Date
- 04 Purchase Order Date
- 10 Requested Ship Date/Pickup Date
- 11 Shipped on This Date
- 37 Ship Not Before Date
- 38 Ship Not Later Than Date
- 47 Released

User Note 1:

Release

- 68 Requested Delivery Date

G6202	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

G6203	176	Time Qualifier	X	ID	1/2	Used
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Description: Code specifying the reported time

Code List Summary (Total Codes: 43, Included: 4)

Code Name

- 3 Delivery Appointment Scheduled Time
- B Released
- G Earliest Requested Deliver Time
- Z Requested Delivery Time

User Note 1:

Release

G6204	337	Time	X	TM	4/8	Used
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Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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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: 1200	Max: >1
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	Note Reference Code	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

Code List Summary (Total Codes: 413, Included: 5)

Code Name

DEL Delivery
 GEN Entire Transaction Set
 LAB Labeling Instructions
 PUR Purchasing
 WHI Warehouse Instruction

NTE02	352	Description	M	AN	1/80	Must use
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Description: 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.

W09 Equipment and Temperature

Pos: 1300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used**Purpose:** To relate equipment type and required temperatures**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>
W0901	40	Equipment Description Code	M	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment**Code List Summary** (Total Codes: 159, Included: 5)**Code Name**

FF	Frozen Food Trailer
FT	Flat Bed Trailer
RT	Controlled Temperature Trailer (Reefer)
TF	Trailer, Dry Freight
TL	Trailer (not otherwise specified)

W0902	408	Temperature	X	R	1/4	Used
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Description: Temperature

W0903	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken**Code List Summary** (Total Codes: 925, Included: 2)**Code Name**

CE Centigrade, Celsius

User Note 1:

Degrees

FA Fahrenheit

User Note 1:

Degrees

W0904	408	Temperature	X	R	1/4	Used
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Description: Temperature

W0905	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken**Code List Summary** (Total Codes: 925, Included: 2)**Code Name**

CE Centigrade, Celsius

User Note 1:

Degrees

FA Fahrenheit

User Note 1:

Code Name

Degrees

Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.
2. P0405 - If either W0904 or W0905 is present, then the other is required.

Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2. W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
3. W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4. W0908 is the humidity percentage.
5. W0909 is the number of air exchanges per hour.

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	Shipment Method of Payment Code	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 31, Included: 11)

Code Name

CC	Collect
CF	Collect, Freight Credited Back to Customer
DF	Defined by Buyer and Seller
FO	FOB Port of Call
HP	Half Prepaid
MX	Mixed
PB	Customer Pickup/Backhaul
PC	Prepaid but Charged to Customer
PO	Prepaid Only
PP	Prepaid (by Seller)
TP	Third Party Pay

W6602	91	Transportation Method/Type Code	M	ID	1/2	Must use
-------	----	--	---	----	-----	----------

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

Code List Summary (Total Codes: 81, Included: 16)

Code Name

A	Air
C	Consolidation
D	Parcel Post
E	Expedited Truck
H	Customer Pickup
L	Contract Carrier
M	Motor (Common Carrier)
R	Rail
S	Ocean
T	Best Way (Shippers Option)
U	Private Parcel Service
X	Intermodal (Piggyback)
AE	Air Express
BU	Bus
CE	Customer Pickup / Customer's Expense
SR	Supplier Truck

W6603	399	Pallet Exchange Code	O	ID	1/1	Used
-------	-----	-----------------------------	---	----	-----	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------

Description: Code specifying pallet exchange instructions

Code List Summary (Total Codes: 5, Included: 5)

Code Name

- | | |
|---|-------------------------------------|
| 1 | No Exchange/No Return |
| 2 | Exchange Pallets |
| 3 | Return Pallets |
| 4 | Pallets to be Purchased by Customer |
| 5 | Third-Party Pallet Exchange |

Description: A pallet exchange program where a third party rents pallets for internal or external use

W6604	400	Unit Load Option Code	O	ID	2/2	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code identifying loading or unloading a shipment

Code List Summary (Total Codes: 12, Included: 3)

Code Name

- | | |
|----|-------------|
| 01 | Palletized |
| 04 | Slip Sheet |
| 10 | Shrink-wrap |

W6605	387	Routing	O	AN	1/35	Used
-------	-----	----------------	---	----	------	------

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

W6610	140	Standard Carrier Alpha Code	O	ID	2/4	Used
-------	-----	------------------------------------	---	----	-----	------

Description: Code identifying the Standard Carrier Alpha Code

User Note 1: See External Code Source 17.

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
0100	MAN	Marks and Numbers 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	1/9	Must use

Description: Number assigned for differentiation within a transaction set

User Note 1: This is a sequential number starting with one, and incremented by one, for every occurrence of the LX segment.

MAN Marks and Numbers Information

Pos: 0100	Max: >1
Detail - Optional	
Loop: 0300	Elements: 6

User Option (Usage): Used

Purpose: To indicate identifying marks and numbers for shipping containers

User Note 1:

This segment is used only for a Carton Warehouse Shipping Order.

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>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use

Description: Code specifying the application or source of Marks and Numbers (87)

Code List Summary (Total Codes: 31, Included: 8)

Code Name

W Pallet Number

AA EAN.UCC Serial Shipping Container Code (SSCC)

User Note 1:

This is an eighteen-character GS1-128 Serial Shipping Container Code (SSCC-18) that does not include the two digit application identifier, the symbology code, or the modulo 103 check character.
See External Code Source 98.

E1 Electronic Product Code (ePC) Serial Shipping Container Code (SSCC)

Description: Trade Item with ePC tag marked with SSCC value

E2 Electronic Product Code (ePC) and Bar Code Serial Shipping Container Code (SSCC)

Description: Trade Item with dual marking for barcode and ePC, with SSCC value

E3 Electronic Product Code (ePC) and Bar Code Serial Shipping Container Code (SSCC) with Application Identifier (AI)

Description: Trade Item with dual marking for barcode and ePC, with SSCC and AI value

GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier

User Note 1:

This is a twenty-character GS1-128 Serial Shipping Container Code (SSCC-18) that includes the two digit application identifier. The symbology code and the modulo 103 check digit are not included.
See External Code Source 98.

SI Self-Identifying Container via Radio Frequency ID Device

Description: Inbound containers that do not need manual routing

UC U.P.C. Shipping Container Code

User Note 1:

This is the fourteen-digit GTIN-14 Shipping Container Code (SCC).
See External Code Source 41.

MAN02	87	Marks and Numbers	M	AN	1/48	Must use
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN03	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN04	88	Marks and Numbers Qualifier	X	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87)				
		Code List Summary (Total Codes: 31, Included: 8)				
		Code Name				
		W Pallet Number				
		AA EAN.UCC Serial Shipping Container Code (SSCC)				
		User Note 1:				
		This is an eighteen-character GS1-128 Serial Shipping Container Code (SSCC-18) that does not include the two digit application identifier, the symbology code, or the modulo 103 check character. See External Code Source 98.				
		E1 Electronic Product Code (ePC) Serial Shipping Container Code (SSCC)				
		Description: Trade Item with ePC tag marked with SSCC value				
		E2 Electronic Product Code (ePC) and Bar Code Serial Shipping Container Code (SSCC)				
		Description: Trade Item with dual marking for barcode and ePC, with SSCC value				
		E3 Electronic Product Code (ePC) and Bar Code Serial Shipping Container Code (SSCC) with Application Identifier (AI)				
		Description: Trade Item with dual marking for barcode and ePC, with SSCC and AI value				
		GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier				
		User Note 1:				
		This is a twenty-character GS1-128 Serial Shipping Container Code (SSCC-18) that includes the two digit application identifier. The symbology code and the modulo 103 check digit are not included. See External Code Source 98.				
		SI Self-Identifying Container via Radio Frequency ID Device				
		Description: Inbound containers that do not need manual routing				
		UC U.P.C. Shipping Container Code				
		User Note 1:				
		This is the GTIN-14. See External Code Source 71.				
MAN05	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN06	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				

Syntax Rules:

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

Semantics:

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

Comments:

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

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
0225	SLN	Subline Item Detail	O	>1		Used
0250	W6	Special Handling Information	O	1		Used
0300	G69	Line Item Detail - Description	O	5		Used
0400	N9	Extended Reference Information	O	>1		Used
0500	W20	Line Item Detail - Packing	O	3		Used
0800	AMT	Monetary Amount Information	O	>1		Used
0900	G62	Date/Time	O	10		Used
1050	MEA	Measurements	O	>1		Used

W01 Line Item Detail - Warehouse

Pos: 0200	Max: 1
Detail - Optional	
Loop: 0310	Elements: 11

User Option (Usage): Used**Purpose:** To transmit basic and most frequent shipment-related line-item data elements**User Note 1:**

This segment is used only for an Item Warehouse Shipping Order.

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	Quantity	M	R	1/15	Must use

Description: Numeric value of quantity

W0102	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
-------	-----	---	---	----	-----	----------

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken**Code List Summary** (Total Codes: 925, Included: 160)**Code Name**

12 Packet

15 Stick

1N Count

26 Actual Tons

2W Bin

Description: Storage container used as a unit of measurement

50 Actual Kilograms

AF Centigram

Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce

AM Ampoule

AR Suppository

AS Assortment

AV Capsule

Description: A compact metallic or plastic container for liquids or solids

AZ British Thermal Units (BTUs) per Pound

BA Bale

BF Board Feet

BG Bag

BK Book

BO Bottle

BP 100 Board Feet

BR Barrel

BX Box

C3 Centiliter

CA Case

CC Cubic Centimeter

CE Centigrade, Celsius

Code	Name
	User Note 1:
	Degrees
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CM	Centimeter
CN	Can
CR	Cubic Meter
CT	Carton
CW	Hundred Pounds (CWT)
CX	Coil
CY	Cubic Yard
D1	Dollars, Canadian
DA	Days
DC	Disk (Disc)
DD	Degree
DG	Decigram
DL	Deciliter
DM	Decimeter
DO	Dollars, U.S.
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FA	Fahrenheit
	User Note 1:
	Degrees
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross

Code	Name
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J1	80-Pack
J3	81-Pack
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet
	Description: To denote items in caplet form
JL	Refill
	Description: Refers to the number of refill units in a package
JN	Pan
	Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack
	Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use
	Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film
KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit

Code	Name
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1:
	Running Feet
LT	Liter
LY	Linear Yard
	User Note 1:
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet
	Description: A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set

Code Name

SX Shipment

SY Square Yard

SZ Syringe

Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

TB Tube

TC Truckload

TE Tote

TH Thousand

TK Tank

TM Thousand Feet (Board)

TP Ten-pack

TS Thousand Square Feet

U2 Tablet

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

UN Unit

V2 Pouch

VI Vial

WG Wine Gallon

Y4 Tub

Description: A measure used to identify a storage container

YD Yard

YR Years

Z7 13-pack Marketing

Z9 14-pack Marketing

ZF 16-pack Marketing

ZG 48-pack Component Parts

ZH 51-pack Component Parts

ZI 52-pack Component Parts

ZJ 60-pack Gift Packs

ZK 72-pack Gift Packs

ZL 83-pack Gift Packs

ZM 10-pack Marketing

ZN 120-pack Promotional

ZO 150-pack Component Parts

ZQ 200-pack Component Parts

ZR 1000-pack Component Parts

ZS 15-Pack

W0104 235 **Product/Service ID Qualifier** X ID 2/2 Used**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)**Code List Summary** (Total Codes: 564, Included: 33)**Code Name**

AG Age

Code Name

	Description: The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers
BC	Supplier Brand Code
BL	Brand/Label
BO	Buyers Color
BV	Beverage Common Code
	User Note 1: See External Code Source 467.
CA	Case
CG	Commodity Grouping
CH	Country of Origin Code
CM	National Retail Federation Color Code
	User Note 1: This is the three-digit NRF code. See External Code Source 88.
CN	Commodity Name
	User Note 1: Used only by the alcohol beverage industry.
EN	GTIN-13 Description: A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
EO	GTIN-8 Description: An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
FV	Drug Identification Number (DIN) User Note 1: See External Code Source 874.
IN	Buyer's Item Number
IS	International Standard Serial Number (ISSN)
IT	Buyer's Style Number
IZ	Buyer's Size Code
LT	Lot Number
MN	Model Number
ND	National Drug Code (NDC) User Note 1: Used only by the Canadian pharmaceutical retail industry.
P8	Retail Price Look Up Number (PLU)
PJ	Product Date Code (A code indicating the period during which a product was manufactured.)
PL	Purchaser's Order Line Number
SM	National Retail Federation Size Code User Note 1: This is the five-digit NRF code. See External Code Source 88.
SZ	Vendor Alphanumeric Size Code

Code Name

UC Product Variant

User Note 1:

The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.

UK GTIN-14

Description: A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

UP GTIN-12

Description: A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VA Vendor's Style Number

VE Vendor Color

VN Vendor's (Seller's) Item Number

VT Vintage

Description: The harvest year of the grapes that are part of the composition of a particular wine

ZZ Mutually Defined

User Note 1:

Self-Identifying Container via Radio Frequency ID Device

W0105	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a product or service

W0106	235	Product/Service ID Qualifier	X	ID	2/2	Used
-------	-----	-------------------------------------	---	----	-----	------

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

Code List Summary (Total Codes: 564, Included: 33)

Code Name

AG Age

Description: The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

User Note 1:

See External Code Source 467.

CA Case

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

User Note 1:

This is the three-digit NRF code.
See External Code Source 88.

CN Commodity Name

Code	Name
EN	GTIN-13 Description: A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
EO	GTIN-8 Description: An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
FV	Drug Identification Number (DIN) User Note 1: See External Code Source 874.
IN	Buyer's Item Number
IS	International Standard Serial Number (ISSN)
IT	Buyer's Style Number
IZ	Buyer's Size Code
LT	Lot Number
MN	Model Number
ND	National Drug Code (NDC) User Note 1: Used only by the Canadian pharmaceutical retail industry.
P8	Retail Price Look Up Number (PLU)
PJ	Product Date Code (A code indicating the period during which a product was manufactured.)
PL	Purchaser's Order Line Number
SM	National Retail Federation Size Code User Note 1: This is the five-digit NRF code. See External Code Source 88.
SZ	Vendor Alphanumeric Size Code
UC	Product Variant User Note 1: The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.
UK	GTIN-14 Description: A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
UP	GTIN-12 Description: A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items
VA	Vendor's Style Number
VE	Vendor Color
VN	Vendor's (Seller's) Item Number
VT	Vintage Description: The harvest year of the grapes that are part of the composition of a particular wine
ZZ	Mutually Defined User Note 1:

Code Name

Self-Identifying Container via Radio Frequency ID Device

W0107	234	Product/Service ID	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service

W0113	451	Warehouse Lot Number	O	AN	1/12	Used
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Description: Reference number assigned by the warehouse

W0114	286	Product/Service Condition Code	O	ID	2/2	Used
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Description: Code identifying condition of product/service**Code List Summary** (Total Codes: 16, Included: 9)**Code Name**

01 Good

Description: A used item in good condition. The item shows wear from consistent use, but it remains in good condition and is usable. It may be marked, have identifying markings on it, or show other signs of previous use. Item instructions may be available.

02 Damaged

Description: A new, unused item that is damaged. The item meets manufacturer specifications and is usable. The item may be in its original packaging. Original manufacturer's warranty, if any, applies, with warranty details available. Item instructions, if any, may be available.

03 Recouped

04 New Material

05 Suitable for Reuse without Reconditioning

06 Suitable for Reuse After Reconditioning

07 No longer useful for original purpose but still of some use

Description: Includes items that may be sold for parts

08 Junk Material

Description: Item or item components are recycled for purposes other than original use. Includes scrap materials

09 Hold or Reserve Stock

Description: Stock held in reserve due to depositor instructions

W0115	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)**Code List Summary** (Total Codes: 564, Included: 33)**Code Name**

AG Age

Description: The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

Code	Name
	User Note 1: See External Code Source 467.
CA	Case
CG	Commodity Grouping
CH	Country of Origin Code
CM	National Retail Federation Color Code
	User Note 1: This is the three-digit NRF code. See External Code Source 88.
CN	Commodity Name
EN	GTIN-13 Description: A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
EO	GTIN-8 Description: An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
FV	Drug Identification Number (DIN) User Note 1: See External Code Source 874.
IN	Buyer's Item Number
IS	International Standard Serial Number (ISSN)
IT	Buyer's Style Number
IZ	Buyer's Size Code
LT	Lot Number
MN	Model Number
ND	National Drug Code (NDC) User Note 1: Used only by the Canadian pharmaceutical retail industry.
P8	Retail Price Look Up Number (PLU)
PJ	Product Date Code (A code indicating the period during which a product was manufactured.)
PL	Purchaser's Order Line Number
SM	National Retail Federation Size Code User Note 1: This is the five-digit NRF code. See External Code Source 88.
SZ	Vendor Alphanumeric Size Code
UC	Product Variant User Note 1: The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.
UK	GTIN-14 Description: A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
UP	GTIN-12

Code Name

Description: A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VA Vendor's Style Number
 VE Vendor Color
 VN Vendor's (Seller's) Item Number
 VT Vintage

Description: The harvest year of the grapes that are part of the composition of a particular wine

ZZ Mutually Defined

User Note 1:

Self-Identifying Container via Radio Frequency ID Device

W0116	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a product or service

W0117	560	Special Services Code	O	ID	2/10	Used
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Description: Code identifying the special service

Code List Summary (Total Codes: 174, Included: 2)

Code Name

10 First In First Out (FIFO) Oldest Product
 11 Last In First Out (LIFO) Newest Product

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.

SLN Subline Item Detail

Pos: 0225	Max: >1
Detail - Optional	
Loop: 0310	Elements: 6

User Option (Usage): Used

Purpose: To specify product subline detail item data

User Note 1:

To identify a substitute product:

SLN01 - Value

SLN03 - U = Authorized Substitute

SLN04 - Quantity

SLN05 - Unit of measure

SLN09 - Product Identification

DE 235 values are EN, EO, UK, UP, VN

SLN10 - Value

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	Relationship Code	M	ID	1/1	Must use
Description: Code indicating the relationship between entities						
Code List Summary (Total Codes: 6, Included: 1)						
Code Name						
U Authorized Substitute						
SLN04	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
SLN05	C001	Composite Unit of Measure	X	Comp		Used
Description: To identify a composite unit of measure						
(See Figures Appendix for examples of use)						
Comments:						
1. If C001-02 is not used, its value is to be interpreted as 1.						
2. If C001-03 is not used, its value is to be interpreted as 1.						
3. If C001-05 is not used, its value is to be interpreted as 1.						
4. If C001-06 is not used, its value is to be interpreted as 1.						
5. If C001-08 is not used, its value is to be interpreted as 1.						
6. If C001-09 is not used, its value is to be interpreted as 1.						
7. If C001-11 is not used, its value is to be interpreted as 1.						
8. If C001-12 is not used, its value is to be interpreted as 1.						
9. If C001-14 is not used, its value is to be interpreted as 1.						
10. If C001-15 is not used, its value is to be interpreted as 1.						
SLN05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 925, Included: 160)				
		Code		Name		
		12		Packet		
		15		Stick		
		1N		Count		
		26		Actual Tons		
		2W		Bin		
				Description: Storage container used as a unit of measurement		
		50		Actual Kilograms		
		AF		Centigram		
				Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce		
		AM		Ampoule		
		AR		Suppository		
		AS		Assortment		
		AV		Capsule		
				Description: A compact metallic or plastic container for liquids or solids		
		AZ		British Thermal Units (BTUs) per Pound		
		BA		Bale		
		BF		Board Feet		
		BG		Bag		
		BK		Book		
		BO		Bottle		
		BP		100 Board Feet		
		BR		Barrel		
		BX		Box		
		C3		Centiliter		
		CA		Case		
		CC		Cubic Centimeter		
		CE		Centigrade, Celsius		
				User Note 1:		
				Degrees		
		CF		Cubic Feet		
		CH		Container		
		CI		Cubic Inches		
		CM		Centimeter		
		CN		Can		
		CR		Cubic Meter		
		CT		Carton		
		CW		Hundred Pounds (CWT)		
		CX		Coil		
		CY		Cubic Yard		
		D1		Dollars, Canadian		
		DA		Days		

Code	Name
DC	Disk (Disc)
DD	Degree
DG	Decigram
DL	Deciliter
DM	Decimeter
DO	Dollars, U.S.
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FA	Fahrenheit
	User Note 1:
	Degrees
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch

Code	Name
J1	80-Pack
J3	81-Pack
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet
	Description: To denote items in caplet form
JL	Refill
	Description: Refers to the number of refill units in a package
JN	Pan
	Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack
	Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use
	Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film
KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1:
	Running Feet
LT	Liter
LY	Linear Yard
	User Note 1:
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes

<u>Code</u>	<u>Name</u>
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet
	Description: A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set
SX	Shipment
SY	Square Yard
SZ	Syringe
	Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle
TB	Tube
TC	Truckload
TE	Tote
TH	Thousand
TK	Tank
TM	Thousand Feet (Board)
TP	Ten-pack
TS	Thousand Square Feet
U2	Tablet

Code Name

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

- UN Unit
- V2 Pouch
- VI Vial
- WG Wine Gallon
- Y4 Tub

Description: A measure used to identify a storage container

- YD Yard
- YR Years
- Z7 13-pack Marketing
- Z9 14-pack Marketing
- ZF 16-pack Marketing
- ZG 48-pack Component Parts
- ZH 51-pack Component Parts
- ZI 52-pack Component Parts
- ZJ 60-pack Gift Packs
- ZK 72-pack Gift Packs
- ZL 83-pack Gift Packs
- ZM 10-pack Marketing
- ZN 120-pack Promotional
- ZO 150-pack Component Parts
- ZQ 200-pack Component Parts
- ZR 1000-pack Component Parts
- ZS 15-Pack

SLN09 235 **Product/Service ID Qualifier** X ID 2/2 Used

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

Code List Summary (Total Codes: 545, Included: 5)

Code Name

- EN GTIN-13
Description: A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
- EO GTIN-8
Description: An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
- UK GTIN-14
Description: A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
- UP GTIN-12
Description: A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items
- VN Vendor's (Seller's) Item Number

SLN10 234 **Product/Service ID** X AN 1/80 Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.

W6 Special Handling Information

Pos: 0250	Max: 1
Detail - Optional	
Loop: 0310	Elements: 4

User Option (Usage): Used

Purpose: To provide special handling information that may be 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	Special Handling Code	M	ID	2/3	Must use

Description: Code specifying special transportation handling instructions

Code List Summary (Total Codes: 589, Included: 19)

Code Name

AC Customer Required Packing List
 AD Customer Required PRO Number
 AE Customer Required Appointment Number
 FL Flammable
 FR Fragile - Handle with Care
 HM Endorsed as Hazardous Material
 SW Stretch Wrap

Description: A high-tensile film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity.

UI Unitized
 761 Written Proof of Delivery
 CBC Case Label Bar Code
 DNF Do Not Freeze

Description: Specifies that the temperature of a shipment must not go below the freezing point during transit

MRF Refrigerated
 OPR Perishable
 OSB Stow Below Deck
 OTC Temperature Control
 PBC Pallet Label Bar Code
 PFH Protect From Heat
 PHR Per Hour Rates Applied
 SNM Transmit a Ship Notice/Manifest Transaction Set

W602	152	Special Handling Code	O	ID	2/3	Used
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Description: Code specifying special transportation handling instructions

Code List Summary (Total Codes: 589, Included: 19)

Code Name

AC Customer Required Packing List
 AD Customer Required PRO Number
 AE Customer Required Appointment Number
 FL Flammable
 FR Fragile - Handle with Care

Code Name

HM Endorsed as Hazardous Material

SW Stretch Wrap

Description: A high-tensile film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity.

UI Unitized

761 Written Proof of Delivery

CBC Case Label Bar Code

DNF Do Not Freeze

Description: Specifies that the temperature of a shipment must not go below the freezing point during transit

MRF Refrigerated

OPR Perishable

OSB Stow Below Deck

OTC Temperature Control

PBC Pallet Label Bar Code

PFH Protect From Heat

PHR Per Hour Rates Applied

SNM Transmit a Ship Notice/Manifest Transaction Set

W603 152 **Special Handling Code** O ID 2/3 Used**Description:** Code specifying special transportation handling instructions**Code List Summary** (Total Codes: 589, Included: 19)**Code Name**

AC Customer Required Packing List

AD Customer Required PRO Number

AE Customer Required Appointment Number

FL Flammable

FR Fragile - Handle with Care

HM Endorsed as Hazardous Material

SW Stretch Wrap

Description: A high-tensile film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity.

UI Unitized

761 Written Proof of Delivery

CBC Case Label Bar Code

DNF Do Not Freeze

Description: Specifies that the temperature of a shipment must not go below the freezing point during transit

MRF Refrigerated

OPR Perishable

OSB Stow Below Deck

OTC Temperature Control

PBC Pallet Label Bar Code

PFH Protect From Heat

PHR Per Hour Rates Applied

Code Name

SNM Transmit a Ship Notice/Manifest Transaction Set

W604 152 **Special Handling Code** O ID 2/3 Used**Description:** Code specifying special transportation handling instructions**Code List Summary** (Total Codes: 589, Included: 19)**Code Name**

AC Customer Required Packing List

AD Customer Required PRO Number

AE Customer Required Appointment Number

FL Flammable

FR Fragile - Handle with Care

HM Endorsed as Hazardous Material

SW Stretch Wrap

Description: A high-tensile film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity.

UI Unitized

761 Written Proof of Delivery

CBC Case Label Bar Code

DNF Do Not Freeze

Description: Specifies that the temperature of a shipment must not go below the freezing point during transit

MRF Refrigerated

OPR Perishable

OSB Stow Below Deck

OTC Temperature Control

PBC Pallet Label Bar Code

PFH Protect From Heat

PHR Per Hour Rates Applied

SNM Transmit a Ship Notice/Manifest Transaction Set

G69 Line Item Detail - Description

Pos: 0300	Max: 5
Detail - Optional	
Loop: 0310	Elements: 1

User Option (Usage): Used

Purpose: To describe an item in free-form format

User Note 1:

This segment is used only for an Item Warehouse Shipping Order.

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 Extended Reference Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: 0310	Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

User Note 1:

This segment is used only for an Item Warehouse Shipping Order.

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

Description: Code identifying the Reference Identification

Code List Summary (Total Codes: 1904, Included: 8)

Code Name

BV Purchase Order Line Item Identifier (Buyer)
CO Customer Order Number

User Note 1:

Customer of retailer

DP Department Number
LI Line Item Identifier (Seller's)
MR Merchandise Type Code
PC Production Code
PD Promotion/Deal Number
PO Purchase Order Number

N902	127	Reference Identification	X	AN	1/80	Must use
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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.

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**User Note 1:**

This segment is used only for an Item Warehouse Shipping Order.

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	Pack	O	N0	1/6	Used
		Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container				
W2002	357	Size	X	R	1/8	Used
		Description: Size of supplier units in pack				
W2003	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Code List Summary (Total Codes: 925, Included: 160)**Code Name**

12	Packet
15	Stick
1N	Count
26	Actual Tons
2W	Bin
	Description: Storage container used as a unit of measurement
50	Actual Kilograms
AF	Centigram
	Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce
AM	Ampoule
AR	Suppository
AS	Assortment
AV	Capsule
	Description: A compact metallic or plastic container for liquids or solids
AZ	British Thermal Units (BTUs) per Pound
BA	Bale
BF	Board Feet
BG	Bag
BK	Book
BO	Bottle
BP	100 Board Feet
BR	Barrel
BX	Box

Code	Name
C3	Centiliter
CA	Case
CC	Cubic Centimeter
CE	Centigrade, Celsius
	User Note 1:
	Degrees
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CM	Centimeter
CN	Can
CR	Cubic Meter
CT	Carton
CW	Hundred Pounds (CWT)
CX	Coil
CY	Cubic Yard
D1	Dollars, Canadian
DA	Days
DC	Disk (Disc)
DD	Degree
DG	Decigram
DL	Deciliter
DM	Decimeter
DO	Dollars, U.S.
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FA	Fahrenheit
	User Note 1:
	Degrees
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters

Code	Name
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J1	80-Pack
J3	81-Pack
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet
	Description: To denote items in caplet form
JL	Refill
	Description: Refers to the number of refill units in a package
JN	Pan
	Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack
	Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use
	Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film

Code Name

KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1:
	Running Feet
LT	Liter
LY	Linear Yard
	User Note 1:
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet

Code Name

Description: A cardboard platform used for holding product for storage or transportation

- SH Sheet
- ST Set
- SX Shipment
- SY Square Yard
- SZ Syringe

Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

- TB Tube
- TC Truckload
- TE Tote
- TH Thousand
- TK Tank
- TM Thousand Feet (Board)
- TP Ten-pack
- TS Thousand Square Feet
- U2 Tablet

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

- UN Unit
- V2 Pouch
- VI Vial
- WG Wine Gallon
- Y4 Tub

Description: A measure used to identify a storage container

- YD Yard
- YR Years
- Z7 13-pack Marketing
- Z9 14-pack Marketing
- ZF 16-pack Marketing
- ZG 48-pack Component Parts
- ZH 51-pack Component Parts
- ZI 52-pack Component Parts
- ZJ 60-pack Gift Packs
- ZK 72-pack Gift Packs
- ZL 83-pack Gift Packs
- ZM 10-pack Marketing
- ZN 120-pack Promotional
- ZO 150-pack Component Parts
- ZQ 200-pack Component Parts
- ZR 1000-pack Component Parts
- ZS 15-Pack

W2004 81 **Weight** X R 1/10 Used

Description: Numeric value of weight

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W2005	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code specifying the type of weight				
		Code List Summary (Total Codes: 54, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
		N	Actual Net Weight			
W2006	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		Code List Summary (Total Codes: 8, Included: 4)				
		<u>Code</u>	<u>Name</u>			
		G	Grams			
		K	Kilograms			
		L	Pounds			
		O	Ounces			
W2007	395	Unit Weight	O	R	1/8	Used
		Description: Numeric value of weight per unit				
W2008	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
W2009	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 925, Included: 160)				
		<u>Code</u>	<u>Name</u>			
		12	Packet			
		15	Stick			
		1N	Count			
		26	Actual Tons			
		2W	Bin			
		Description: Storage container used as a unit of measurement				
		50	Actual Kilograms			
		AF	Centigram			
		Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce				
		AM	Ampoule			
		AR	Suppository			
		AS	Assortment			
		AV	Capsule			
		Description: A compact metallic or plastic container for liquids or solids				
		AZ	British Thermal Units (BTUs) per Pound			
		BA	Bale			
		BF	Board Feet			
		BG	Bag			

Code Name

BK Book
BO Bottle
BP 100 Board Feet
BR Barrel
BX Box
C3 Centiliter
CA Case
CC Cubic Centimeter
CE Centigrade, Celsius

User Note 1:

Degrees

CF Cubic Feet
CH Container
CI Cubic Inches
CM Centimeter
CN Can
CR Cubic Meter
CT Carton
CW Hundred Pounds (CWT)
CX Coil
CY Cubic Yard
D1 Dollars, Canadian
DA Days
DC Disk (Disc)
DD Degree
DG Decigram
DL Deciliter
DM Decimeter
DO Dollars, U.S.
DR Drum
DS Display
DZ Dozen
EA Each
EP Eleven pack
F2 International Unit

Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin

FA Fahrenheit

User Note 1:

Degrees

FG Transdermal Patch

Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin

FO Fluid Ounce
FT Foot

<u>Code</u>	<u>Name</u>
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial) Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J1	80-Pack
J3	81-Pack
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet Description: To denote items in caplet form
JL	Refill Description: Refers to the number of refill units in a package
JN	Pan Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin

Code	Name
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film
KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1:
	Running Feet
LT	Liter
LY	Linear Yard
	User Note 1:
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint

Code	Name
QB	Pages - Hardcopy Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet Description: A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set
SX	Shipment
SY	Square Yard
SZ	Syringe Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle
TB	Tube
TC	Truckload
TE	Tote
TH	Thousand
TK	Tank
TM	Thousand Feet (Board)
TP	Ten-pack
TS	Thousand Square Feet
U2	Tablet Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge
UN	Unit
V2	Pouch
VI	Vial
WG	Wine Gallon
Y4	Tub Description: A measure used to identify a storage container
YD	Yard
YR	Years
Z7	13-pack Marketing
Z9	14-pack Marketing
ZF	16-pack Marketing
ZG	48-pack Component Parts
ZH	51-pack Component Parts
ZI	52-pack Component Parts
ZJ	60-pack Gift Packs
ZK	72-pack Gift Packs
ZL	83-pack Gift Packs
ZM	10-pack Marketing
ZN	120-pack Promotional
ZO	150-pack Component Parts

Code Name

ZQ 200-pack Component Parts
ZR 1000-pack Component Parts
ZS 15-Pack

W2010 397 **Color** O AN 1/10 Used

Description: 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

User Note 1:

This segment is used only for an Item Warehouse Shipping Order.

This segment may be used to convey pricing information related to the line item identified in the associated W01 segment.

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	Amount Qualifier Code	M	ID	1/3	Must use
Description: Code specifying the amount qualifier						
Code List Summary (Total Codes: 1797, Included: 3)						
		<u>Code</u>	<u>Name</u>			
		LI	Line Item Unit Price			
		LP	List Price			
		SP	Sales Price			
AMT02	782	Monetary Amount	M	R	1/18	Must use
Description: Monetary amount						

G62 Date/Time

Pos: 0900	Max: 10
Detail - Optional	
Loop: 0310	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

User Note 1:

This segment is used only for an Item Warehouse Shipping Order.

This segment may be used in the header area or the detail area, but not both. When this segment is used in the detail area for an Item Warehouse Shipping Order, it may be sent in the 0310.

Element Summary:

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

Description: Code specifying type of date

Code List Summary (Total Codes: 146, Included: 8)

Code Name

01	Cancel After This Date
02	Delivery Requested on This Date
04	Purchase Order Date
10	Requested Ship Date/Pickup Date
36	Expiration Date
37	Ship Not Before Date
38	Ship Not Later Than Date
47	Released

User Note 1:

Release

G6202	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

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.

MEA Measurements

Pos: 1050	Max: >1
Detail - Optional	
Loop: 0310	Elements: 2

User Option (Usage): Used**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

(See Figures Appendix for example of use of C001)

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>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used

Description: Code identifying the broad category to which a measurement applies**Code List Summary** (Total Codes: 178, Included: 2)**Code Name**

SF	Shelf Life
VD	Variant Days

Description: The number of days to be subtracted from the shelf life

MEA03	739	Measurement Value	X	R	1/20	Used
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Description: The value of the measurement

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. E0412 - Only one of MEA04 or MEA12 may be present.
3. L050412 - If MEA05 is present, then at least one of MEA04 or MEA12 is required.
4. L060412 - If MEA06 is present, then at least one of MEA04 or MEA12 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.
7. P1112 - If either MEA11 or MEA12 is present, then the other is required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
2. MEA11 is the external code list for the unit of measure.
3. MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an external code list.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

W76 Total Shipping Order

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 5

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	Quantity	M	R	1/15	Must use

Description: Numeric value of quantity

W7602	81	Weight	X	R	1/10	Used
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Description: Numeric value of weight

W7603	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken**Code List Summary** (Total Codes: 925, Included: 160)**Code Name**

12 Packet

15 Stick

1N Count

26 Actual Tons

2W Bin

Description: Storage container used as a unit of measurement

50 Actual Kilograms

AF Centigram

Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce

AM Ampoule

AR Suppository

AS Assortment

AV Capsule

Description: A compact metallic or plastic container for liquids or solids

AZ British Thermal Units (BTUs) per Pound

BA Bale

BF Board Feet

BG Bag

BK Book

BO Bottle

BP 100 Board Feet

BR Barrel

BX Box

C3 Centiliter

CA Case

CC Cubic Centimeter

CE Centigrade, Celsius

Code	Name
	User Note 1:
	Degrees
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CM	Centimeter
CN	Can
CR	Cubic Meter
CT	Carton
CW	Hundred Pounds (CWT)
CX	Coil
CY	Cubic Yard
D1	Dollars, Canadian
DA	Days
DC	Disk (Disc)
DD	Degree
DG	Decigram
DL	Deciliter
DM	Decimeter
DO	Dollars, U.S.
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FA	Fahrenheit
	User Note 1:
	Degrees
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross

Code	Name
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J1	80-Pack
J3	81-Pack
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet
	Description: To denote items in caplet form
JL	Refill
	Description: Refers to the number of refill units in a package
JN	Pan
	Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack
	Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use
	Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film
KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit

Code	Name
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1:
	Running Feet
LT	Liter
LY	Linear Yard
	User Note 1:
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet
	Description: A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set

Code Name

SX Shipment

SY Square Yard

SZ Syringe

Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

TB Tube

TC Truckload

TE Tote

TH Thousand

TK Tank

TM Thousand Feet (Board)

TP Ten-pack

TS Thousand Square Feet

U2 Tablet

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

UN Unit

V2 Pouch

VI Vial

WG Wine Gallon

Y4 Tub

Description: A measure used to identify a storage container

YD Yard

YR Years

Z7 13-pack Marketing

Z9 14-pack Marketing

ZF 16-pack Marketing

ZG 48-pack Component Parts

ZH 51-pack Component Parts

ZI 52-pack Component Parts

ZJ 60-pack Gift Packs

ZK 72-pack Gift Packs

ZL 83-pack Gift Packs

ZM 10-pack Marketing

ZN 120-pack Promotional

ZO 150-pack Component Parts

ZQ 200-pack Component Parts

ZR 1000-pack Component Parts

ZS 15-Pack

W7604	183	Volume	X	R	1/8	Used
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Description: Value of volumetric measure

W7605	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Code List Summary (Total Codes: 925, Included: 160)						
		Code		Name		
	12	Packet				
	15	Stick				
	1N	Count				
	26	Actual Tons				
	2W	Bin				
		Description: Storage container used as a unit of measurement				
	50	Actual Kilograms				
	AF	Centigram				
		Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce				
	AM	Ampoule				
	AR	Suppository				
	AS	Assortment				
	AV	Capsule				
		Description: A compact metallic or plastic container for liquids or solids				
	AZ	British Thermal Units (BTUs) per Pound				
	BA	Bale				
	BF	Board Feet				
	BG	Bag				
	BK	Book				
	BO	Bottle				
	BP	100 Board Feet				
	BR	Barrel				
	BX	Box				
	C3	Centiliter				
	CA	Case				
	CC	Cubic Centimeter				
	CE	Centigrade, Celsius				
		User Note 1:				
		Degrees				
	CF	Cubic Feet				
	CH	Container				
	CI	Cubic Inches				
	CM	Centimeter				
	CN	Can				
	CR	Cubic Meter				
	CT	Carton				
	CW	Hundred Pounds (CWT)				
	CX	Coil				
	CY	Cubic Yard				
	D1	Dollars, Canadian				
	DA	Days				
	DC	Disk (Disc)				
	DD	Degree				

Code	Name
DG	Decigram
DL	Deciliter
DM	Decimeter
DO	Dollars, U.S.
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
F2	International Unit Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FA	Fahrenheit User Note 1: Degrees
FG	Transdermal Patch Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot User Note 1: Feet
FZ	Fluid Ounce (Imperial) Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
GS	Gross
H3	18-Pack
H5	22-Pack
H6	30-Pack
H7	38-Pack
H8	62-Pack
H9	75-Pack
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J1	80-Pack
J3	81-Pack

Code	Name
J4	82-Pack
J5	84-Pack
J6	85-Pack
J7	96-Pack
J8	5000-Pack
J9	Left Unit
JC	Caplet
	Description: To denote items in caplet form
JL	Refill
	Description: Refers to the number of refill units in a package
JN	Pan
	Description: Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack
	Description: To indicate this is "n" assortment product with different UPC codes on it
JS	Use
	Description: Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin
	Description: Refers to giftware products in a tin
JV	Ovule
	Description: Refers to products which come in "ovule" form
JX	Exposure
	Description: To be used to indicate the number of exposures on a roll of film
KE	Keg
	Description: A unit of weight equal to 100 pounds, used for nails
KG	Kilogram
KT	Kit
L1	Right Unit
LB	Pound
LF	Linear Foot
	User Note 1: Running Feet
LT	Liter
LY	Linear Yard
	User Note 1: Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter

Code	Name
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	Description: Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet
	Description: A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set
SX	Shipment
SY	Square Yard
SZ	Syringe
	Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle
TB	Tube
TC	Truckload
TE	Tote
TH	Thousand
TK	Tank
TM	Thousand Feet (Board)
TP	Ten-pack
TS	Thousand Square Feet
U2	Tablet
	Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

Code Name

UN Unit
V2 Pouch
VI Vial
WG Wine Gallon
Y4 Tub

Description: A measure used to identify a storage container

YD Yard
YR Years
Z7 13-pack Marketing
Z9 14-pack Marketing
ZF 16-pack Marketing
ZG 48-pack Component Parts
ZH 51-pack Component Parts
ZI 52-pack Component Parts
ZJ 60-pack Gift Packs
ZK 72-pack Gift Packs
ZL 83-pack Gift Packs
ZM 10-pack Marketing
ZN 120-pack Promotional
ZO 150-pack Component Parts
ZQ 200-pack Component Parts
ZR 1000-pack Component Parts
ZS 15-Pack

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

Description: Total number of segments included in a transaction set including ST and SE segments

SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

User Note 1: This must be the same number as is in the ST segment (ST02) for the transaction set.

Comments:

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