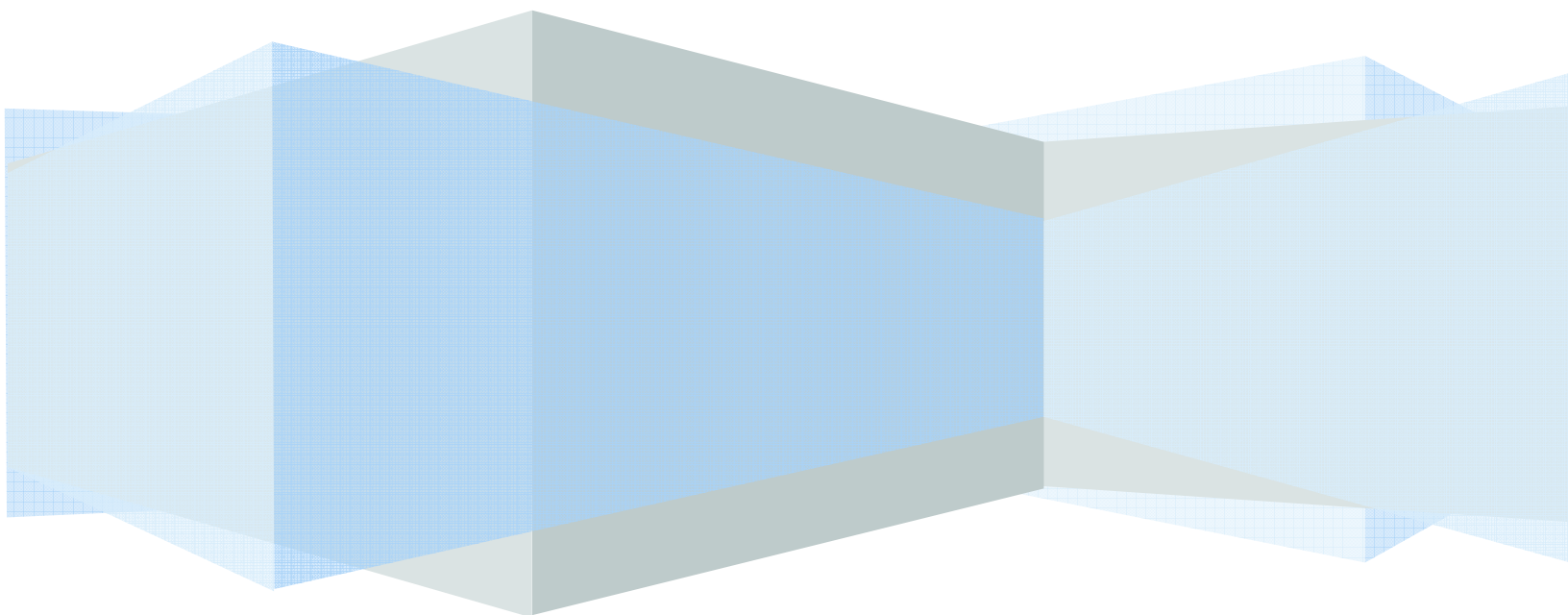




EDI 945 | Warehouse Shipping Advice

X12 version 5010



945 Warehouse Shipping Advice

TABLE 1

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	100	ST	Transaction Set Header
Must Use	M	1	200	W06	Warehouse Shipment Identification
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
	O	1	500	N2	Additional Name Information
Must Use	O	2	600	N3	Address Information
Must Use	O	1	700	N4	Geographic Location
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
	O	1	500	N2	Additional Name Information
Must Use	O	2	600	N3	Address Information
Must Use	O	1	700	N4	Geographic Location
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
	O	1	500	N2	Additional Name Information
Must Use	O	2	600	N3	Address Information
Must Use	O	1	700	N4	Geographic Location
				LOOP ID - 0100	MAX: 10
Must Use	M	1	400	N1	Name
Must Use	O	10	900	N9	Reference Identification
Must Use	O	10	900	N9	Reference Identification
Must Use	O	10	900	N9	Reference Identification
Depend.	O	10	900	N9	Reference Identification
Must Use	M	>1	900	G62	Date/Time
Must Use	O	5	1100	G62	Date/Time
Must Use	O	1	1300	W27	Carrier Detail

TABLE 2

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
				LOOP ID - 0300	MAX: >1
Must Use	O	1	50	LX	Assigned Number
Must Use	O	>1	100	MAN	Marks and Numbers
Must Use	O	1	150	PAL	Pallet Information
				LOOP ID - 0310	MAX: >1

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	O	1	200	W12	Warehouse Item Detail
Recomm.	O	200	400	N9	Reference Identification

TABLE 3

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	O	1	10	W03	Total Shipment Information
Must Use	M	1	20	SE	Transaction Set Trailer

ST ° Transaction Set Header

ST

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0100
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	ST01	143	Transaction Set Identifier Code	ID	3	3
				945 Warehouse Shipping Advice			
	M	ST02	329	Transaction Set Control Number	AN	4	9
	O	ST03	1705	Implementation Convention Reference	AN	1	35

W06**W06 ° Warehouse Shipment Identification**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	W0601	514	Reporting Code	ID	1	1
				F Full Detail			
Must Use	O	W0602	285	Depositor Order Number	AN	1	22
Must Use	O	W0603	373	Date	DT	8	8
Must Use	O	W0604	145	Shipment Identification Number	AN	1	30
Must Use	O	W0605	531	Agent Shipment ID Number	AN	1	12
Must Use	O	W0606	324	Purchase Order Number	AN	1	22
	O	W0607	474	Master Reference (Link) Number	AN	1	22
	O	W0608	472	Link Sequence Number	N0	6	6
	O	W0609	152	Special Handling Code	ID	2	3
	O	W0610	891	Shipping Date Change Reason Code	ID	2	2
	O	W0611	640	Transaction Type Code	ID	2	2
	O	W0612	306	Action Code	ID	1	2

Syntax Notes: If any of 07 or 08 are present, then all are required.

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N101	98	Entity Identifier Code	ID	2	3
				SH Vendor Info			
Must Use	O	N102	93	Name	AN	1	60
Must Use	O	N103	66	Identification Code Qualifier	ID	1	2
Must Use	O	N104	67	Identification Code	AN	2	80
Not Used	O	N105	706	Entity Relationship Code	ID	2	2
Not Used	O	N106	98	Entity Identifier Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

Level 1 Note: N1-SH needs to match what was sent in 940

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N101	98	Entity Identifier Code	ID	2	3
				OB Ordered By (Retailer Info)			
Must Use	O	N102	93	Name	AN	1	60
Must Use	O	N103	66	Identification Code Qualifier	ID	1	2
Must Use	O	N104	67	Identification Code	AN	2	80
Not Used	O	N105	706	Entity Relationship Code	ID	2	2
Not Used	O	N106	98	Entity Identifier Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

Level 1 Note: N1-OB needs to match what was sent in 940

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N101	98	Entity Identifier Code	ID	2	3
				ST Ship To			
Must Use	O	N102	93	Name	AN	1	60
Must Use	O	N103	66	Identification Code Qualifier	ID	1	2
Must Use	O	N104	67	Identification Code	AN	2	80
Not Used	O	N105	706	Entity Relationship Code	ID	2	2
Not Used	O	N106	98	Entity Identifier Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

N2 ° Additional Name Information

N2

User Req: USED
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0500
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N201	93	Name	AN	1	60
	O	N202	93	Name	AN	1	60

N3**N3 ° Address Information**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0600
Max Use: 2

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N301	166	Address Information	AN	1	55
	O	N302	166	Address Information	AN	1	55

N4**N4 ° Geographic Location**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0700
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	O	N401	19	City Name	AN	2	30
Must Use	O	N402	156	State or Province Code	ID	2	2
Must Use	O	N403	116	Postal Code	ID	3	15
	O	N404	26	Country Code	ID	2	3
	O	N405	309	Location Qualifier	ID	1	2
	O	N406	310	Location Identifier	AN	1	30
	O	N407	1715	Country Subdivision Code	ID	1	3

Syntax Notes: Only one of 02 or 07 may be present.
 If 06 is present, then 05 is required.
 If 07 is present, then 04 is required.

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N101	98	Entity Identifier Code	ID	2	3
				SF Ship From			
Must Use	O	N102	93	Name	AN	1	60
	O	N103	66	Identification Code Qualifier	ID	1	2
	O	N104	67	Identification Code	AN	2	80
Not Used	O	N105	706	Entity Relationship Code	ID	2	2
Not Used	O	N106	98	Entity Identifier Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

N2**N2 ° Additional Name Information**

User Req: USED
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0500
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N201	93	Name	AN	1	60
	O	N202	93	Name	AN	1	60

N3**N3 ° Address Information**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0600
Max Use: 2

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N301	166	Address Information	AN	1	55
	O	N302	166	Address Information	AN	1	55

N4**N4 ° Geographic Location**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0700
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	O	N401	19	City Name	AN	2	30
Must Use	O	N402	156	State or Province Code	ID	2	2
Must Use	O	N403	116	Postal Code	ID	3	15
	O	N404	26	Country Code	ID	2	3
	O	N405	309	Location Qualifier	ID	1	2
	O	N406	310	Location Identifier	AN	1	30
	O	N407	1715	Country Subdivision Code	ID	1	3

Syntax Notes: Only one of 02 or 07 may be present.
 If 06 is present, then 05 is required.
 If 07 is present, then 04 is required.

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: 0100
Loop Section: N1
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N101	98	Entity Identifier Code	ID	2	3
				BY Buying Party (Mark For)			
Must Use	O	N102	93	Name	AN	1	60
Must Use	O	N103	66	Identification Code Qualifier	ID	1	2
Must Use	O	N104	67	Identification Code	AN	2	80
Not Used	O	N105	706	Entity Relationship Code	ID	2	2
Not Used	O	N106	98	Entity Identifier Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

Level 1 Note: N1-BY needs to match what was sent in 940

N9**N9 ° Reference Identification**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0900
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N901	128	Reference Identification Qualifier	ID	2	3
				VR Vendor ID Number			
Must Use	O	N902	127	Reference Identification	AN	1	50
	O	N903	369	Free-form Description	AN	1	45
	O	N904	373	Date	DT	8	8
	O	N905	337	Time	TM	4	8
	O	N906	623	Time Code	ID	2	2
	O	N907	C040	Reference Identifier			
	M	N90701	C040/128	Reference Identification Qualifier	ID	2	3
	M	N90702	C040/127	Reference Identification	AN	1	50
	O	N90703	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90704	C040/127	Reference Identification	AN	1	50
	O	N90705	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90706	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.
 If 06 is present, then 05 is required.

Level 1 Note: N9-VR needs to match what was sent in 940

N9**N9 ° Reference Identification**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0900
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N901	128	Reference Identification Qualifier	ID	2	3
				SN Seal Number			
Must Use	O	N902	127	Reference Identification	AN	1	50
	O	N903	369	Free-form Description	AN	1	45
	O	N904	373	Date	DT	8	8
	O	N905	337	Time	TM	4	8
	O	N906	623	Time Code	ID	2	2
	O	N907	C040	Reference Identifier			
	M	N90701	C040/128	Reference Identification Qualifier	ID	2	3
	M	N90702	C040/127	Reference Identification	AN	1	50
	O	N90703	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90704	C040/127	Reference Identification	AN	1	50
	O	N90705	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90706	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.
 If 06 is present, then 05 is required.

Level 1 Note: N9-SN needs to match what was sent in 940

N9**N9 ° Reference Identification**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0900
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	N901	128	Reference Identification Qualifier	ID	2	3
				PK Packing List Number			
Must Use	O	N902	127	Reference Identification	AN	1	50
	O	N903	369	Free-form Description	AN	1	45
	O	N904	373	Date	DT	8	8
	O	N905	337	Time	TM	4	8
	O	N906	623	Time Code	ID	2	2
	O	N907	C040	Reference Identifier			
	M	N90701	C040/128	Reference Identification Qualifier	ID	2	3
	M	N90702	C040/127	Reference Identification	AN	1	50
	O	N90703	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90704	C040/127	Reference Identification	AN	1	50
	O	N90705	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90706	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.
 If 06 is present, then 05 is required.

Level 1 Note: N9-PK needs to match what was sent in 940

N9**N9 ° Reference Identification**

User Req: DEPENDENT
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0900
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N901	128	Reference Identification Qualifier	ID	2	3
				DP	Department Number		
				MB	Master Bill of Lading		
				BM	Bill of Lading Number		
				LO	Load Planning Number		
				TL	Trailer Number		
	O	N902	127	Reference Identification	AN	1	50
	O	N903	369	Free-form Description	AN	1	45
	O	N904	373	Date	DT	8	8
	O	N905	337	Time	TM	4	8
	O	N906	623	Time Code	ID	2	2
	O	N907	C040	Reference Identifier			
	M	N90701	C040/128	Reference Identification Qualifier	ID	2	3
	M	N90702	C040/127	Reference Identification	AN	1	50
	O	N90703	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90704	C040/127	Reference Identification	AN	1	50
	O	N90705	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90706	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.
 If 06 is present, then 05 is required.

G62**G62 ° Date/Time**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0900
Max Use: >1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	O	G6201	432	Date Qualifier	ID	2	2
				10 Requested Ship Date/Pick-up Date			
Must Use	O	G6202	373	Date	DT	8	8
	O	G6203	176	Time Qualifier	ID	1	2
	O	G6204	337	Time	TM	4	8
	O	G6205	623	Time Code	ID	2	2

Syntax Notes: At least one of 01 and 03 is required.
 If any of 03 or 04 are present, then all are required.
 If any of 01 or 02 are present, then all are required.

G62**G62 ° Date/Time**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 1100
Max Use: 5

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	O	G6201	432	Date Qualifier	ID	2	2
				70 Scheduled Delivery Date			
Must Use	O	G6202	373	Date	DT	8	8
	O	G6203	176	Time Qualifier	ID	1	2
	O	G6204	337	Time	TM	4	8
	O	G6205	623	Time Code	ID	2	2

Syntax Notes: At least one of 01 and 03 is required.
 If any of 03 or 04 are present, then all are required.
 If any of 01 or 02 are present, then all are required.

W27**W27 ° Carrier Detail**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 1300
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	W2701	91	Transportation Method/Type Code	ID	1	2
				M	Motor (Common Carrier)		
				A	Air		
				U	Private Parcel Service		
Must Use	O	W2702	140	Standard Carrier Alpha Code	ID	2	4
Must Use	O	W2703	387	Routing	AN	1	35
Must Use	O	W2704	146	Shipment Method of Payment	ID	2	2
				CC	Collect		
				PP	Prepaid (by Seller)		
				TP	Third Party Pay		
Not Used	O	W2705	40	Equipment Description Code	ID	2	2
Not Used	O	W2706	206	Equipment Initial	AN	1	4
Not Used	O	W2707	207	Equipment Number	AN	1	15
Not Used	O	W2708	368	Shipment/Order Status Code	ID	2	2
Not Used	O	W2709	152	Special Handling Code	ID	2	3
Not Used	O	W2710	890	Carrier/Route Change Reason Code	ID	2	2

Syntax Notes: At least one of 02 and 03 is required.

LX**LX ° Assigned Number**

User Req: MUST USE
Table/Area: 2
Loop: 0300
Loop Section: LX
Position: 0050
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	LX01	554	Assigned Number	N0	1	6

MAN**MAN ° Marks and Numbers**

User Req: MUST USE
Table/Area: 2
Loop: 0300
Loop Section: LX
Position: 0100
Max Use: >1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	MAN01	88	Marks and Numbers Qualifier	ID	1	2
				GM	SSCC-18 and Application Identifier		
Must Use	M	MAN02	87	Marks and Numbers	AN	1	48
	O	MAN03	87	Marks and Numbers	AN	1	48
	O	MAN04	88	Marks and Numbers Qualifier	ID	1	2
	O	MAN05	87	Marks and Numbers	AN	1	48
	O	MAN06	87	Marks and Numbers	AN	1	48

Syntax Notes: If any of 04 or 05 are present, then all are required.
 If 06 is present, then 05 is required.

PAL**PAL ° Pallet Information**

User Req: MUST USE
Table/Area: 2
Loop: 0300
Loop Section: LX
Position: 0150
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	PAL01	883	Pallet Type Code	ID	1	2
	O	PAL02	884	Pallet Tiers	N0	1	3
	O	PAL03	885	Pallet Blocks	N0	1	3
	O	PAL04	356	Pack	N0	1	6
Must Use	O	PAL05	395	Unit Weight	R	1	8
Must Use	O	PAL06	355	Unit or Basis for Measurement Code	ID	2	2
				LB Pound			
	O	PAL07	82	Length	R	1	8
	O	PAL08	189	Width	R	1	8
	O	PAL09	65	Height	R	1	8
	O	PAL10	355	Unit or Basis for Measurement Code	ID	2	2
	O	PAL11	384	Gross Weight per Pack	R	1	9
	O	PAL12	355	Unit or Basis for Measurement Code	ID	2	2
	O	PAL13	385	Gross Volume per Pack	R	1	9
	O	PAL14	355	Unit or Basis for Measurement Code	ID	2	2
	O	PAL15	399	Pallet Exchange Code	ID	1	1
	O	PAL16	810	Inner Pack	N0	1	6
	O	PAL17	1699	Pallet Structure Code	ID	1	1

Syntax Notes: If any of 05 or 06 are present, then all are required.
 If 07 is present, then 10 is required.
 If 08 is present, then 10 is required.
 If 09 is present, then 10 is required.
 If 10 is present, then at least 07, 08 or 09 is required.
 If any of 11 or 12 are present, then all are required.
 If any of 13 or 14 are present, then all are required.

W12**W12 ° Warehouse Item Detail**

User Req: MUST USE
Table/Area: 2
Loop: 0310
Loop Section: LX;W12
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	W1201	368	Shipment/Order Status Code	ID	2	2
				SH Shipped (Date)			
Must Use	O	W1202	380	Quantity	R	1	15
Must Use	O	W1203	382	Number of Units Shipped	R	1	10
	O	W1204	383	Quantity Difference	R	1	9
Must Use	O	W1205	355	Unit or Basis for Measurement Code	ID	2	2
				EA Each			
				CS Casepack			
	O	W1206	438	U.P.C. Case Code	AN	12	12
Must Use	O	W1207	235	Product/Service ID Qualifier	ID	2	2
				VA Vendor's Style Number			
Must Use	O	W1208	234	Product/Service ID	AN	1	48
	O	W1209	451	Warehouse Lot Number	AN	1	12
	O	W1210	81	Weight	R	1	10
	O	W1211	187	Weight Qualifier	ID	1	2
	O	W1212	188	Weight Unit Code	ID	1	1
	O	W1213	81	Weight	R	1	10
	O	W1214	187	Weight Qualifier	ID	1	2
	O	W1215	188	Weight Unit Code	ID	1	1
	O	W1216	438	U.P.C. Case Code	AN	12	12
Must Use	O	W1217	235	Product/Service ID Qualifier	ID	2	2
				UP U.P.C. Consumer Package Code (1-5-5-1)			
Must Use	O	W1218	234	Product/Service ID	AN	1	48
	O	W1219	892	Line Item Change Reason Code	ID	2	2
	O	W1220	893	Warehouse Detail Adjustment Identifier	ID	1	1
	O	W1221	235	Product/Service ID Qualifier	ID	2	2

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	W1222	234	Product/Service ID	AN	1	48

Syntax Notes: At least one of 06 and 07 is required.
If any of 07 or 08 are present, then all are required.
If any of 10, 11 or 12 are present, then all are required.
If any of 13, 14 or 15 are present, then all are required.
If any of 17 or 18 are present, then all are required.
If any of 21 or 22 are present, then all are required.

N9**N9 ° Reference Identification**

User Req: RECOMMENDED
Table/Area: 2
Loop: 0310
Loop Section: LX;W12
Position: 0400
Max Use: 200

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N901	128	Reference Identification Qualifier	ID	2	3
				IN Consignee's Invoice Number			
	O	N902	127	Reference Identification	AN	1	50
	O	N903	369	Free-form Description	AN	1	45
	O	N904	373	Date	DT	8	8
	O	N905	337	Time	TM	4	8
	O	N906	623	Time Code	ID	2	2
	O	N907	C040	Reference Identifier			
	M	N90701	C040/128	Reference Identification Qualifier	ID	2	3
	M	N90702	C040/127	Reference Identification	AN	1	50
	O	N90703	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90704	C040/127	Reference Identification	AN	1	50
	O	N90705	C040/128	Reference Identification Qualifier	ID	2	3
	O	N90706	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.
 If 06 is present, then 05 is required.

W03**W03 ° Total Shipment Information**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0010
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	W0301	382	Number of Units Shipped	R	1	10
Must Use	O	W0302	81	Weight	R	1	10
Must Use	O	W0303	355	Unit or Basis for Measurement Code	ID	2	2
				LB Pound			
Must Use	O	W0304	183	Volume	R	1	8
Must Use	O	W0305	355	Unit or Basis for Measurement Code	ID	2	2
				CF Cubic Feet			
Must Use	O	W0306	80	Lading Quantity	N0	1	7
Must Use	O	W0307	355	Unit or Basis for Measurement Code	ID	2	2
				CT Carton			

Syntax Notes: If any of 02 or 03 are present, then all are required.
 If any of 04 or 05 are present, then all are required.
 If any of 06 or 07 are present, then all are required.

SE ° Transaction Set Trailer**SE**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0020
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	SE01	96	Number of Included Segments	N0	1	10
	M	SE02	329	Transaction Set Control Number	AN	4	9