

945 Warehouse Shipping Advice

Functional Group ID=**SW**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Warehouse Shipping Advice Transaction Set (945) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by the warehouse to advise the depositor that shipment was made. It is used to reconcile order quantities with shipment quantities.

Notes:

1. Storage facilities use this transaction set to provide Inventory Control Points (ICPs) or Integrated Material Managers (IMMs) with disposition information on material release orders (including material release order modifications), disposal release orders (including disposal release order modifications), and requests to cancel material/disposal release orders.

2. Use a single occurrence of this transaction set to exchange single or multiple transactions between a single storage facility and a single or multiple ICPs/IMMs.

3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

Heading:

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4	010	ST	Transaction Set Header	M	1		
5	020	W06	Warehouse Shipment Identification	M	1		
LOOP ID - 0100						10	
7	040	N1	Name	M	1		
Not Used	050	N2	Additional Name Information	O	1		
Not Used	060	N3	Address Information	O	2		
Not Used	070	N4	Geographic Location	O	1		
Not Used	080	PER	Administrative Communications Contact	O	5		
Not Used	090	N9	Reference Identification	O	10		
Not Used	100	G61	Contact	O	3		
9	110	G62	Date/Time	O	5		
Not Used	120	NTE	Note/Special Instruction	O	20		
Not Used	130	W27	Carrier Detail	O	1		
Not Used	135	W6	Special Handling Information	O	1		
Not Used	140	W28	Consolidation Information	O	1		

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Not Used	150	W10	Warehouse Additional Carrier Information	O	10
Not Used	155	G72	Allowance or Charge	O	5
LOOP ID - 0200					10
Not Used	160	LM	Code Source Information	O	1
Not Used	170	LQ	Industry Code	M	100

Detail:

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LOOP ID - 0300						>1	
10	005	LX	Assigned Number	O	1		
Not Used	010	MAN	Marks and Numbers	O	>1		
Not Used	015	PAL	Pallet Information	O	1		
Not Used	017	N9	Reference Identification	O	5		
LOOP ID - 0310						>1	
11	020	W12	Warehouse Item Detail	O	1		
Not Used	030	G69	Line Item Detail - Description	O	5		
14	040	N9	Reference Identification	O	200		
17	050	G62	Date/Time	O	10		
18	055	QTY	Quantity	O	10		
Not Used	057	MEA	Measurements	O	5		
20	060	AMT	Monetary Amount	O	1		
Not Used	070	R4	Port or Terminal	O	5		
21	075	W27	Carrier Detail	O	1		
23	080	N1	Name	O	5		
Not Used	085	G72	Allowance or Charge	O	5		
LOOP ID - 0311						10	
25	090	LM	Code Source Information	O	1		
26	100	LQ	Industry Code	M	100		
28	105	LS	Loop Header	O	1		
LOOP ID - 0312						>1	
29	110	LX	Assigned Number	O	1		n1
30	120	N9	Reference Identification	O	>1		
32	130	G62	Date/Time	O	10		
33	140	N1	Name	O	1		
LOOP ID - 0313						10	
Not Used	150	LM	Code Source Information	O	1		
Not Used	160	LQ	Industry Code	M	100		
34	165	LE	Loop Trailer	O	1		
LOOP ID - 0314						>1	
35	170	FA1	Type of Financial Accounting Data	O	1		
36	180	FA2	Accounting Data	M	>1		

Summary:

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Not Used	010	W03	Total Shipment Information	O	1
38	020	SE	Transaction Set Trailer	M	1

Transaction Set Notes

1. The LX loop conveys serial number data.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set 945 Warehouse Shipping Advice	
M	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	

Segment: **W06** Warehouse Shipment Identification
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To provide identifying numbers, dates, and other basic data for this transaction set
Syntax Notes: 1 If either W0607 or W0608 is present, then the other is required.
Semantic Notes: 1 W0603 is the actual date on which shipment was made.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	W0601	514 Reporting Code	M ID 1/1
		Code specifying the basis used when reporting shipment information	
		J Original Transaction	
		K Simulation Exercise	
Not Used	W0602	285 Depositor Order Number	O AN 1/22
		Identifying number for warehouse shipping order assigned by the depositor	
Not Used	W0603	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
Not Used	W0604	145 Shipment Identification Number	O AN 1/30
		Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
Not Used	W0605	531 Agent Shipment ID Number	O AN 1/12
		Identification number assigned to the shipment by the agent (Number does not contain blank or punctuation characters)	
Not Used	W0606	324 Purchase Order Number	O AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
Not Used	W0607	474 Master Reference (Link) Number	X AN 1/22
		Reference number assigned by the sender to relate a transaction set to a master transaction (When associating a group of purchase orders, invoices or other transaction sets, use the master reference (link) number to identify the group and the link sequence number to identify individual transaction sets within the group)	
Not Used	W0608	472 Link Sequence Number	X N0 6/6
		A two-part number in the form "SSSTTT" where "SSS" is a sequentially assigned number and "TTT" equals the highest sequential number being used within the associated (linked) group (Leading zeros are required for both "SSS" and "TTT")	
Not Used	W0609	152 Special Handling Code	O ID 2/3

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Not Used	W0610	891	Shipping Date Change Reason Code	O ID 2/2
			Code specifying special transportation handling instructions	
Must Use	W0611	640	Transaction Type Code	O ID 2/2
			Code informing a depositor why shipment of an order was delayed	
			Code specifying the type of transaction	
			NJ	Material Release Confirmation
			NK	Material Release Denial
			NL	Material Release Advice
			NM	Disposal Release Confirmation
			NP	Disposal Release Denial
			NQ	Disposal Shipment Confirmation
			NR	Material Release Cancellation Advice
			NT	Disposal Release Cancellation Advice
	W0612	306	Action Code	O ID 1/2
			Code indicating type of action	
			W1	Reconcile Historical Records

Segment: **N1** Name
Position: 040
Loop: 0100 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

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.

Notes: *Must use this 1/N1/040 loop to identify the organization originating the transaction set.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			<i>Following is the preferred code.</i>	
		SB	Storage Area	
Not Used	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC)	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
Must Use	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		FR	Message From	

Must use to indicate the organization cited in N104 is originating the transaction set.

Segment: **G62** Date/Time
Position: 110
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 5
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:

Comments:

Notes: *Must use to identify the date and time of transaction set preparation.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	G6201	432	Date Qualifier	X ID 2/2
			Code specifying type of date	
			BB Transaction Control Date	
			<i>Use to identify the date of transaction set preparation. This date corresponds to the Universal Time Coordinate (UTC).</i>	
Must Use	G6202	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Must Use	G6203	176	Time Qualifier	X ID 1/2
			Code specifying the reported time	
			W Effective Time	
			<i>1. Express the originating activity's time of transaction set preparation in UTC.</i>	
			<i>2. Express time in a four-position (HHMM) format.</i>	
Must Use	G6204	337	Time	X TM 4/8
			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)	
Not Used	G6205	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

Segment: **LX** Assigned Number
Position: 005
Loop: 0300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment must be used only to meet X12 syntax requirements.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		<i>In the first and only iteration of this 1/LX/005 loop, cite numeric 1.</i>	

Segment: **W12 Warehouse Item Detail**

Position: 020

Loop: 0310 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Purpose: To designate those line items that were shipped

- Syntax Notes:**
- 1 At least one of W1206 or W1207 is required.
 - 2 If either W1207 or W1208 is present, then the other is required.
 - 3 If any of W1210 W1211 or W1212 is present, then all are required.
 - 4 If any of W1213 W1214 or W1215 is present, then all are required.
 - 5 If either W1217 or W1218 is present, then the other is required.
 - 6 If either W1221 or W1222 is present, then the other is required.

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

Comments:

Notes: *Must use the 2/W12/020 loop to identify the material and other data pertinent to the transaction.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	W1201	368 Shipment/Order Status Code	M ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
		SA Shipment Quantity Increase	
		SC Shipment Quantity Decrease	
		UR Unsolicited Report	
Not Used	W1202	330 Quantity Ordered	O R 1/15
		Quantity ordered	
Not Used	W1203	382 Number of Units Shipped	O R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
Not Used	W1204	383 Quantity Difference	O R 1/9
		Numeric value of variance between ordered and shipped quantities	
Not Used	W1205	355 Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	W1206	438 U.P.C. Case Code	X AN 12/12
		Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)	

Must Use	W1207	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) A1 Plant Equipment Number A2 Department of Defense Identification Code (DoDIC) A4 Subsistence Identification Number FB Form Number FS National Stock Number FT Federal Supply Classification MG Manufacturer's Part Number YP Publication Number ZZ Mutually Defined	X ID 2/2
Must Use	W1208	234	Product/Service ID Identifying number for a product or service	X AN 1/48
Not Used	W1209	451	Warehouse Lot Number Reference number assigned by the warehouse	O AN 1/12
Not Used	W1210	81	Weight Numeric value of weight	X R 1/10
Not Used	W1211	187	Weight Qualifier Code defining the type of weight	X ID 1/2
Not Used	W1212	188	Weight Unit Code Code specifying the weight unit	X ID 1/1
Not Used	W1213	81	Weight Numeric value of weight	X R 1/10
Not Used	W1214	187	Weight Qualifier Code defining the type of weight	X ID 1/2
Not Used	W1215	188	Weight Unit Code Code specifying the weight unit	X ID 1/1
Not Used	W1216	438	U.P.C. Case Code Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)	O AN 12/12
	W1217	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CN Commodity Name ZB Commercial and Government Entity (CAGE) Code	X ID 2/2
	W1218	234	Product/Service ID Identifying number for a product or service	X AN 1/48
Not Used	W1219	892	Line Item Change Reason Code	O ID 2/2

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			Code defining reason for any difference between quantity ordered and quantity shipped for a line item	
Not Used	W1220	893	Warehouse Detail Adjustment Identifier	O ID 1/1
			Code to identify detail line item as an adjustment to inventory levels	
Not Used	W1221	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	W1222	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	

Segment: **N9 Reference Identification**
Position: 040
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 200
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

- Syntax Notes:**
- 1 At least one of N902 or N903 is required.
 - 2 If N906 is present, then N905 is required.
 - 3 If either C04003 or C04004 is present, then the other is required.
 - 4 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments:

- Notes:**
1. *Must use at least once to identify the transaction number.*
 2. *Use additional repetitions to identify ancillary information related to the transaction.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		<i>Following is a list of preferred codes.</i>	
		2I Tracking Number	
		4C Shipment Destination Code	
		AH Agreement Number	
		CT Contract Number	
		TG Transportation Control Number (TCN)	
		TN Transaction Reference Number	
		W1 Disposal Turn-In Document Number	
		W3 Manufacturing Directive Number	
		WO Work Order Number	
		X9 Internal Control Number	
Must Use	N902	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	N903	369 Free-form Description	X AN 1/45
		Free-form descriptive text	
Not Used	N904	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	

Not Used	N905	337	Time	X	TM 4/8
			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)		
Not Used	N906	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	N907	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			08	Carrier Assigned Package Identification Number	
			16	Military Interdepartmental Purchase Request (MIPR) Number	
			1Y	Repair Action Number	
			AW	Air Waybill Number	
			BL	Government Bill of Lading	
			BM	Bill of Lading Number	
			IZ	Insured Parcel Post Number	
			K1	Foreign Military Sales Notice Number	
			K2	Certified Mail Number	
			K3	Registered Mail Number	
			LJ	Local Jurisdiction	
			W8	Suffix	
			WY	Waybill Number	
			ZH	Carrier Assigned Reference Number	
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			GE	Geographic Number	
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		

		GL	Geographic Destination Zone Number	
C04006	127	Reference Identification		X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **G62** Date/Time
Position: 050
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:

Comments:

Notes: *Must use one or more repetitions to define unique dates associated with the transaction.*

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	G6201	432 Date Qualifier	X ID 2/2
		Code specifying type of date	
		09 Process Date	
		11 Shipped on This Date	
		17 Estimated Delivery Date	
		BH Offered for Delivery	
		BU Rejection	
		TR Transfer	
Must Use	G6202	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Not Used	G6203	176 Time Qualifier	X ID 1/2
		Code specifying the reported time	
Not Used	G6204	337 Time	X TM 4/8
		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)	
Not Used	G6205	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

Segment: **QTY** Quantity
Position: 055
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *Must use at least one iteration of this 2/QTY/055 loop to identify quantities associated with the transaction.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			01 Discrete Quantity	
			03 Discreet Quantity - Rejected Material	
			39 Shipped Quantity	
			QC Quantity Disapproved	
			V1 Retention Quantity	
Must Use	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
Must Use	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Use to identify the unit of issue for the material shipped.</i>	
	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10

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			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	QTY04	61	Free-Form Message	X AN 1/30
			Free-form information	

Segment: **AMT** Monetary Amount
Position: 060
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	AMT01	522	Amount Qualifier Code Code to qualify amount NT Unit Value	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18
Not Used	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

Segment: **W27** **Carrier Detail**
Position: 075
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify details of the transportation equipment and carrier routing details
Syntax Notes: 1 At least one of W2702 or W2703 is required.
Semantic Notes: 1 W2702 is required when W2701 equals "B", "E", "H", "I", "K", "L", "M", "P" or "T".
 2 W2706 is required when W2701 equals "G" or "R".
Comments: 1 Shipment/Order Status Code is used at the total-invoice level only when differences cannot be provided at the line-item level or when the entire order has been shipped complete.
Notes: *Use to identify the mode of shipment.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	W2701	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	M ID 1/2
Must Use	W2702	140	Standard Carrier Alpha Code Standard Carrier Alpha Code <i>Use code "ZZ" for this data element to meet mandatory X12 syntax requirements.</i>	X ID 2/4
Not Used	W2703	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	W2704	146	Shipment Method of Payment Code identifying payment terms for transportation charges	O ID 2/2
Not Used	W2705	40	Equipment Description Code Code identifying type of equipment used for shipment	O ID 2/2
Not Used	W2706	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
Not Used	W2707	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	O AN 1/10
Not Used	W2708	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	O ID 2/2
Not Used	W2709	152	Special Handling Code Code specifying special transportation handling instructions	O ID 2/3

Not Used **W2710** **890** **Carrier/Route Change Reason Code** **O ID 2/2**
Code reflecting reason a requested carrier or route was changed

Segment: **N1** Name
Position: 080
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 5
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.
Notes: 1. *Must use this 2/N1/080 loop to identify the organization to receive the transaction.*
 2. *Use additional iterations to identify other organizations associated with the transaction.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Following is a list of preferred codes.</i>	
		CA Carrier	
		CN Consignee	
		DA Delivery Address	
		ST Ship To	
		Z1 Party to Receive Status	
		Z4 Owning Inventory Control Point	
	N102	93 Name	X AN 1/60
		Free-form name	
Must Use	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		2 Standard Carrier Alpha Code (SCAC)	
		<i>Use as needed to identify the commercial carrier.</i>	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10 Department of Defense Activity Address Code	

		(DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC)
Must Use	N104	67	Identification Code X AN 2/80 Code identifying a party or other code
Not Used	N105	706	Entity Relationship Code O ID 2/2 Code describing entity relationship
	N106	98	Entity Identifier Code O ID 2/3 Code identifying an organizational entity, a physical location, property or an individual

TO Message To

Must use with the appropriate 2/N101/080 to indicate that the organization cited in N104 is receiving the transaction set.

Segment: **LM** Code Source Information
Position: 090
Loop: 0311 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes: *Must use this 2/LM/090 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	LM01	559 Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 100
Loop: 0311 Optional (Must Use)
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	LQ01	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
			<i>Following is a list of preferred codes.</i>	
		0	Document Identification Code	
		36	Air Terminal Identifier Code	
		37	Water Terminal Identifier Code	
		38	Consolidation and Containerization Point Code	
		58	Transportation Bill Code	
		78	Project Code	
			<i>Use to identify special programs, exercises, projects, operations, and other purposes.</i>	
		79	Priority Designator Code	
		81	Status Code	
		83	Supply Condition Code	
		84	Management Code	
		85	Country and Activity Code	
		87	Subsistence Type of Pack Code	
		88	Disposal Authority Code	
		90	Precious Metals Indicator Code	
		91	Automated Data Processing Equipment Identification Code	
		92	Reason for Disposal Code	
		93	Type of Storage Code	
		99	Purpose Code	
		A1	Ownership Code	
		A9	Supplemental Data	

945A - Warehouse Shipping Advice (Material Release Advice)

AK	Distribution Code
BC	Transportation Holding Delay Code
COG	Cognizance Symbol
DE	Signal Code
DF	Media and Status Code
HD	Discrepancy Status or Disposition Code
IMC	Item Management Code
MCC	Material Control Code
SMI	Special Material Identification Code

Must Use **LQ02** **1271** **Industry Code** **X** **AN 1/30**
Code indicating a code from a specific industry code list

Segment: **LS** Loop Header
Position: 105
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the next segment begins a loop
Syntax Notes:
Semantic Notes: 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: 1 See Figures Appendix for an explanation of the use of the LS and LE segments.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	447 Loop Identifier Code	M AN 1/6
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	

Segment: **LX** Assigned Number
Position: 110
Loop: 0312 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Notes: *Use as a counter to identify the number of 2/LX/110 loop iterations in the transaction set.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		<i>In the first 2/LX/110 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>	

Segment: **N9 Reference Identification**
Position: 120
Loop: 0312 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

- Syntax Notes:**
- 1 At least one of N902 or N903 is required.
 - 2 If N906 is present, then N905 is required.
 - 3 If either C04003 or C04004 is present, then the other is required.
 - 4 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments:

Notes: *Use to identify either a unique item identifier (UII), batch, or a lot number and other associated information.*

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification BT Batch Number LT Lot Number SE Serial Number	M ID 2/3
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
Not Used	N904	373	Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	Time 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)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the	O ID 2/2

codes that follow

Not Used	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **G62** Date/Time
Position: 130
Loop: 0312 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:

Comments:

Notes: *Use to identify dates associated with the UIT item.*

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	G6201	432 Date Qualifier	X ID 2/2
		Code specifying type of date	
		36 Expiration Date	
		BF Pack Date	
		BL Manufacture	
Must Use	G6202	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Not Used	G6203	176 Time Qualifier	X ID 1/2
		Code specifying the reported time	
Not Used	G6204	337 Time	X TM 4/8
		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)	
Not Used	G6205	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

Segment: **N1** Name
Position: 140
Loop: 0312 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

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.

Notes: *Use to identify the manufacturer of the UIT item.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual MF Manufacturer of Goods	M ID 2/3
Not Used	N102	93 Name Free-form name	X AN 1/60
Must Use	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 33 Commercial and Government Entity (CAGE)	X ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code	X AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship	O ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	O ID 2/3

Segment: **LE** Loop Trailer
Position: 165
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the loop immediately preceding this segment is complete
Syntax Notes:
Semantic Notes: 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: 1 See Figures Appendix for an explanation of the use of the LE and LS segments.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	447 Loop Identifier Code	M AN 1/6
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	

Segment: **FA1** Type of Financial Accounting Data
Position: 170
Loop: 0314 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

Syntax Notes:

- Semantic Notes:**
- 1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 - 2 FA102 Identifies the purpose of the accounting allowance or charge information.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	FA101	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
			<i>Use to indicate that the Component originating the funds is a Department of Defense agency, including DLA.</i>	
			DN Department of the Navy	
			<i>Includes the United States Marine Corps.</i>	
			DY Department of Air Force	
			DZ Department of Army	
			FG Federal Government	
Must Use	FA102	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			A170 Adjustments	
			A520 Base Charge	
			C930 Export Shipping Charge	
			D340 Goods and Services Charge	
			F060 Other Accessorial Service Charge	
			F560 Premium Transportation	
			I260 Transportation Direct Billing	
			R060 Packing, Crating, and Handling Charge	
Not Used	FA103	248	Allowance or Charge Indicator	O ID 1/1
			Code which indicates an allowance or charge for the service specified	

Segment: **FA2 Accounting Data**
Position: 180
Loop: 0314 Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Use this 2/FA2/180 segment to identify the various components of the line of accounting.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	FA201	1196 Breakdown Structure Detail Code	M ID 2/2
		Codes identifying details relating to a reporting breakdown structure tree	
		18 Funds Appropriation	
		A1 Department Indicator	
		A2 Transfer from Department	
		A3 Fiscal Year Indicator	
		A4 Basic Symbol Number	
		A5 Sub-class	
		A6 Sub-Account Symbol	
		B1 Budget Activity Number	
		B2 Budget Sub-activity Number	
		B5 Fund Code	
		BL Billings	
		<i>Use to indicate the Government IMPAC card number under which payment for this obligation will be accomplished.</i>	
		C1 Program Element	
		C2 Project Task or Budget Subline	
		C3 Budget Restriction	
		D1 Defense Agency Allocation Recipient	
		D2 Defense Agency Sub-allocation Recipient	
		D3 Component Allocation Recipient	
		D4 Component Sub-allocation Recipient	
		D5 Allotment Recipient	
		D6 Sub-allotment Recipient	
		D7 Work Center Recipient	

945A - Warehouse Shipping Advice (Material Release Advice)

E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator
F1	Object Class
F2	Object Sub-class
F3	Government or Public Sector Identifier
F4	Country Code
G1	Program or Planning Code
G2	Special Interest Code or Special Program Cost Code
H1	Cost Code
H2	Labor Type Code
H3	Cost Allocation Code
H4	Classification Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
J1	Document or Record Reference Number
L1	Accounting Installation Number
N1	Transaction Type
P1	Disbursing Station Number
P2	International Balance of Payments (IBOP) Code
P3	Voucher Number
ZZ	Mutually Defined

M **FA202** **1195** **Financial Information Code** **M AN 1/80**
Code representing financial accounting information

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	Ref.	Data		Attributes
		Des.	Element Name	
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one cited in ST02.</i>	