856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

1. Organizations use this transaction set to provide shipment status to the wholesale distribution system for authorized material returns, including automatic returns.

2. 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/dlmso. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	0100	ST	Transaction Set Header	M	1		
5	0200	BSN	Beginning Segment for Ship Notice	M	1		
Not Used	0400	DTM	Date/Time Reference	O	10		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
7	0100	HL	Hierarchical Level	M	1		c1
9	0200	LIN	Item Identification	O	1		
12	0300	SN1	Item Detail (Shipment)	O	1		
Not Used	0400	SLN	Subline Item Detail	O	1000		
Not Used	0500	PRF	Purchase Order Reference	O	1		
Not Used	0600	PO4	Item Physical Details	O	1		
Not Used	0700	PID	Product/Item Description	O	200		

Not Used	0800	MEA	Measurements	O	40	
Not Used	0900	PWK	Paperwork	O	25	
Not Used	1000	PKG	Marking, Packaging, Loading	O	25	
Not Used	1100	TD1	Carrier Details (Quantity and Weight)	O	20	
13	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
			LOOP ID - TD3			12
Not Used	1300	TD3	Carrier Details (Equipment)	O	1	
Not Used	1350	AT9	Trailer or Container Dimension and Weight	O	1	
Not Used	1400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	1450	TSD	Trailer Shipment Details	O	1	
15	1500	REF	Reference Identification	O	>1	
Not Used	1510	PER	Administrative Communications Contact	O	3	
			LOOP ID - LH1			100
Not Used	1520	LH1	Hazardous Identification Information	O	1	
Not Used	1530	LH2	Hazardous Classification Information	O	4	
Not Used	1540	LH3	Hazardous Material Shipping Name	O	12	
Not Used	1550	LFH	Freeform Hazardous Material Information	O	20	
Not Used	1560	LEP	EPA Required Data	O	>1	
Not Used	1570	LH4	Canadian Dangerous Requirements	O	1	
Not Used	1580	LHT	Transborder Hazardous Requirements	O	3	
Not Used	1590	LHR	Hazardous Material Identifying Reference Numbers	O	10	
Not Used	1600	PER	Administrative Communications Contact	O	5	
Not Used	1610	LHE	Empty Equipment Hazardous Material Information	O	1	
			LOOP ID - CLD			200
Not Used	1700	CLD	Load Detail	O	1	
Not Used	1800	REF	Reference Identification	O	200	
Not Used	1850	DTP	Date or Time or Period	O	1	
Not Used	1900	MAN	Marks and Numbers	O	>1	
17	2000	DTM	Date/Time Reference	O	10	
Not Used	2100	FOB	F.O.B. Related Instructions	O	1	
Not Used	2150	PAL	Pallet Information	O	1	
			LOOP ID - N1			200
18	2200	N1	Name	O	1	
Not Used	2300	N2	Additional Name Information	O	2	
Not Used	2400	N3	Address Information	O	2	
Not Used	2500	N4	Geographic Location	O	1	
Not Used	2600	REF	Reference Identification	O	12	
Not Used	2700	PER	Administrative Communications Contact	O	3	
Not Used	2800	FOB	F.O.B. Related Instructions	O	1	
Not Used	2900	SDQ	Destination Quantity	O	50	
Not Used	3000	ETD	Excess Transportation Detail	O	1	
Not Used	3100	CUR	Currency	O	1	
			LOOP ID - SAC			>1

Not Used	3200	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	3250	CUR	Currency	O	1	
Not Used	3300	GF	Furnished Goods and Services	O	1	
Not Used	3350	YNQ	Yes/No Question	O	10	
			LOOP ID - LM			10
20	3400	LM	Code Source Information	O	1	
21	3500	LQ	Industry Code	M	100	
			LOOP ID - V1			>1
Not Used	3600	V1	Vessel Identification	O	1	
Not Used	3700	R4	Port or Terminal	O	>1	
Not Used	3800	DTM	Date/Time Reference	O	>1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	0100	CTT	Transaction Totals	O	1		n1
22	0200	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

	Segment:	**ST** Transaction Set Header
	Position:	0100
	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).
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.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3

Code uniquely identifying a Transaction Set

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	Ref. Des.	Data Element	Name	Attributes		
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9

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

A unique number assigned by the originator of the transaction set, or the originator's application program.

	Ref. Des.	Data Element	Name	Attributes		
	ST03	1705	**Implementation Convention Reference**	O	1	AN 1/35

Reference assigned to identify Implementation Convention

Use to indicate this transmission uses the 856R Federal IC and the 856R DLMS Supplement. Enter the DLMS Supplement: 004030F856R0RA00.

Segment:	**BSN** Beginning Segment for Ship Notice			
Position:	0200			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set			
Syntax Notes:	**1**	If BSN07 is present, then BSN06 is required.		
Semantic Notes:	**1**	BSN03 is the date the shipment transaction set is created.		
	2	BSN04 is the time the shipment transaction set is created.		
	3	BSN06 is limited to shipment related codes.		
Comments:	**1**	BSN06 and BSN07 differentiate the functionality of use for the transaction set.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code**	**M 1 ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
			77 Simulation Exercise	
M	**BSN02**	**396**	**Shipment Identification**	**M 1 AN 2/30**
			A unique control number assigned by the original shipper to identify a specific shipment	
			Use Code "ZZ" for this data element to satisfy mandatory X12 syntax requirements.	
M	**BSN03**	**373**	**Date**	**M 1 DT 8/8**
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
			This date corresponds to the Universal Time Coordinate (UTC).	
M	**BSN04**	**337**	**Time**	**M 1 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)	
			1. Express the originating activity's time in UTC.	
			2. Express time in a four-position (HHMM) format.	
Not Used	**BSN05**	**1005**	**Hierarchical Structure Code**	**O 1 ID 4/4**
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	
Must Use	**BSN06**	**640**	**Transaction Type Code**	**X 1 ID 2/2**

Code specifying the type of transaction

FT   Material Returns

BSN07 **641** **Status Reason Code**   **O** **1** **ID 3/3**

Code indicating the status reason

W05   Order Discrepancy

Segment:	**HL** Hierarchical Level		
Position:	0100		
Loop:	HL Mandatory		
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments		
Syntax Notes:			
Semantic Notes:			
Comments:	1	The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.	
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.	
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.	
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.	
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.	
Notes:	*1. The transaction set hierarchical data structure is address information, followed by transaction shipment status, followed interior/exterior packaging RFID and/or by UID as applicable.*		
	2. Use the first 2/HL/0100 loop iteration to provide transaction set originating activity address information.		
	3. Use the second and subsequent 2/HL/0100 loop iterations to identify individual transaction shipment status information.		
	4. Use additional 2/HL/0100 loop iterations to identify RFID as applicable.		
	5. Use additional 2/HL/0100 loop iterations to identify IUID information as applicable.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	**Hierarchical ID Number**	M 1 AN 1/12

A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

In the first 2/HL/0100 loop iteration, cite 1. In each subsequent loop iteration, increase incrementally by 1.

| | HL02 | 734 | **Hierarchical Parent ID Number** | O | 1 | AN 1/12 |

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

| M | HL03 | 735 | **Hierarchical Level Code** | M | 1 | ID 1/2 |

Code defining the characteristic of a level in a hierarchical structure

I	Item
P	Pack
V	Address Information
W	Transaction Reference Number

| Not Used | HL04 | 736 | **Hierarchical Child Code** | O | 1 | ID 1/1 |

Code indicating if there are hierarchical child data segments subordinate to the level being described

Segment:	**LIN** Item Identification		
Position:	0200		
Loop:	HL	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify basic item identification data		

Syntax Notes:
1. If either LIN04 or LIN05 is present, then the other is required.
2. If either LIN06 or LIN07 is present, then the other is required.
3. If either LIN08 or LIN09 is present, then the other is required.
4. If either LIN10 or LIN11 is present, then the other is required.
5. If either LIN12 or LIN13 is present, then the other is required.
6. If either LIN14 or LIN15 is present, then the other is required.
7. If either LIN16 or LIN17 is present, then the other is required.
8. If either LIN18 or LIN19 is present, then the other is required.
9. If either LIN20 or LIN21 is present, then the other is required.
10. If either LIN22 or LIN23 is present, then the other is required.
11. If either LIN24 or LIN25 is present, then the other is required.
12. If either LIN26 or LIN27 is present, then the other is required.
13. If either LIN28 or LIN29 is present, then the other is required.
14. If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:
1. LIN01 is the line item identification

Comments:
1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: *Must use in 2/HL/0100 transaction reference number loops to identify the material shipped. Do not use in the 2/HL/0100 address loop.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Not Used	LIN01	350	**Assigned Identification**	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
M	LIN02	235	**Product/Service ID Qualifier**	M	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			Use any code.			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
M	LIN03	234	**Product/Service ID**	M	1	AN 1/48
			Identifying number for a product or service			
	LIN04	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

			Use only one of codes CN or ZB to fully identify the material.			
			CN	Commodity Name		
			ZB	Commercial and Government Entity (CAGE) Code		
	LIN05	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN06**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN07**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN08**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN09**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN10**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN11**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN12**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN13**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN14**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN15**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN16**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN17**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN18**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**LIN19**	**234**	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	**LIN20**	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2

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

Not Used	LIN21	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN22	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN23	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN24	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN25	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN26	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN27	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN28	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN29	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN30	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN31	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			

Segment:	**SN1** Item Detail (Shipment)	
Position:	0300	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify line-item detail relative to shipment	
Syntax Notes:	**1**	If either SN105 or SN106 is present, then the other is required.
Semantic Notes:	**1**	SN101 is the ship notice line-item identification.
Comments:	**1**	SN103 defines the unit of measurement for both SN102 and SN104.
Notes:	*Use only in 2/HL/0100 transaction reference number loops to identify the number of items shipped.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Not Used	SN101	350	**Assigned Identification**	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
M	SN102	382	**Number of Units Shipped**	M	1	R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set			
			1. Use to identify the shipped quantity.			
			2. Express as a whole number with no decimals.			
M	SN103	355	**Unit or Basis for Measurement Code**	M	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Use to identify the unit of issue for the material shipped.			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
Not Used	SN104	646	**Quantity Shipped to Date**	O	1	R 1/15
			Number of units shipped to date			
Not Used	SN105	330	**Quantity Ordered**	X	1	R 1/15
			Quantity ordered			
Not Used	SN106	355	**Unit or Basis for Measurement Code**	X	1	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	SN107	728	**Returnable Container Load Make-Up Code**	O	1	ID 1/2
			Code identifying the load make-up of the returnable containers in the shipment			
Not Used	SN108	668	**Line Item Status Code**	O	1	ID 2/2
			Code specifying the action taken by the seller on a line item requested by the buyer			

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)		
Position:	1200		
Loop:	HL　　Mandatory		
Level:	Detail		
Usage:	Optional		
Max Use:	12		
Purpose:	To specify the carrier and sequence of routing and provide transit time information		
Syntax Notes:	1	At least one of TD502 TD504 TD505 TD506 or TD512 is required.	
	2	If TD502 is present, then TD503 is required.	
	3	If TD507 is present, then TD508 is required.	
	4	If TD510 is present, then TD511 is required.	
	5	If TD513 is present, then TD512 is required.	
	6	If TD514 is present, then TD513 is required.	
	7	If TD515 is present, then TD512 is required.	
Semantic Notes:	1	TD515 is the country where the service is to be performed.	
Comments:	1	When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.	
Notes:	*Use only in 2/HL/0100 transaction reference number loops to identify the mode of shipment.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Not Used	TD501	133	**Routing Sequence Code**	O	1	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement			
Not Used	TD502	66	**Identification Code Qualifier**	X	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
Not Used	TD503	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
	TD504	91	**Transportation Method/Type Code**	X	1	ID 1/2
			Code specifying the method or type of transportation for the shipment			
			Use to identify the mode of shipment.			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
Not Used	TD505	387	**Routing**	X	1	AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity			
Not Used	TD506	368	**Shipment/Order Status Code**	X	1	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			

Not Used	TD507	309	**Location Qualifier**	O	1	**ID 1/2**
			Code identifying type of location			
Not Used	TD508	310	**Location Identifier**	X	1	**AN 1/30**
			Code which identifies a specific location			
Not Used	TD509	731	**Transit Direction Code**	O	1	**ID 2/2**
			The point of origin and point of direction			
Not Used	TD510	732	**Transit Time Direction Qualifier**	O	1	**ID 2/2**
			Code specifying the value of time used to measure the transit time			
Not Used	TD511	733	**Transit Time**	X	1	**R 1/4**
			The numeric amount of transit time			
Not Used	TD512	284	**Service Level Code**	X	1	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD513	284	**Service Level Code**	X	1	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD514	284	**Service Level Code**	O	1	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD515	26	**Country Code**	O	1	**ID 2/3**
			Code identifying the country			

Segment:	**REF** Reference Identification	
Position:	1500	
Loop:	HL Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
	2 If either C04003 or C04004 is present, then the other is required.	
	3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	*1. Use in 2/HL/0100 shipment status loop to identify the document number and the transportation control number. Repeat the REF segment within each shipment status loop to identify relevant information.*	
	2. Use in 2/HL/0100 UID loop to provide IUID information. Repeat the REF segment within each UID loop to identify relevant IUID information.	
	3. Use in applicable 2/HL/0100 RFID loops to provide the tag identification. Begin a new RFID loop to create a nested relationship between tags at different layers of packaging.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			Use any code.			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
Must Use	REF02	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	REF03	352	**Description**	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			
	REF04	C040	**Reference Identifier**	O	1	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
			When providing financial data (REF01 is FG): If providing only the fund code use REF04-01 code FU and cite the fund code in REF04-02.			
M	C04001	128	**Reference Identification Qualifier**	M		ID 2/3
			Code qualifying the Reference Identification			
			08 Carrier Assigned Package Identification Number			

		10	Account Managers Code		
		AT	Appropriation Number		
		AW	Air Waybill Number		
		BL	Government Bill of Lading		
		BM	Bill of Lading Number		
		FU	Fund Code		
		IZ	Insured Parcel Post Number		
		K2	Certified Mail Number		
		K3	Registered Mail Number		
		W8	Suffix		
		WY	Waybill Number		
		ZH	Carrier Assigned Reference Number		

M   **C04002**   **127**   **Reference Identification**   **M**   **AN 1/50**

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

For valid codes, see REF04, C04001.

Refer to 004030 Data Element Dictionary for acceptable code values.

           C04004   **127**   **Reference Identification**   **X**   **AN 1/50**

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

For valid codes, see REF04, C04001.

Refer to 004030 Data Element Dictionary for acceptable code values.

           C04006   **127**   **Reference Identification**   **X**   **AN 1/50**

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

Segment:		**DTM** Date/Time Reference				
Position:		2000				
Loop:		HL	Mandatory			
Level:		Detail				
Usage:		Optional				
Max Use:		10				
Purpose:		To specify pertinent dates and times				
Syntax Notes:		1	At least one of DTM02 DTM03 or DTM05 is required.			
		2	If DTM04 is present, then DTM03 is required.			
		3	If either DTM05 or DTM06 is present, then the other is required.			
Semantic Notes:						
Comments:						
Notes:		*Use only in 2/HL/0100 transaction reference number loops to identify dates associated with the shipment status.*				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			011 Shipped			
Must Use	DTM02	373	**Date**	X	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
Not Used	DTM03	337	**Time**	X	1	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	DTM04	623	**Time Code**	O	1	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			
Not Used	DTM05	1250	**Date Time Period Format Qualifier**	X	1	ID 2/3
			Code indicating the date format, time format, or date and time format			
Not Used	DTM06	1251	**Date Time Period**	X	1	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times			

Segment:		**N1** Name	
Position:		2200	
Loop:		N1 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:
1. Must use the 2/N1/2200 loop in the 2/HL/0100 address loop to identify the organization originating the transaction set and the organization to receive the transaction set.

2. Must use the 2/N1/2200 loop in every 2/HL/0100 transaction reference number loop to identify the shipment unit consignor, consignee, and carrier.

3. Use the 2/N1/2200 loop as needed in 2/HL/0100 transaction reference number loops to identify the manufacturer of UIT and the organization to receive credit when that organization varies from the organization originating the transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	Entity Identifier Code	M	1	ID 2/3

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

Use any code.

Refer to 004030 Data Element Dictionary for acceptable code values.

	N102	93	Name	X	1	AN 1/60

Free-form name

Must Use	N103	66	Identification Code Qualifier	X	1	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)
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)

		33	Commercial and Government Entity (CAGE)			
		A2	Military Assistance Program Address Code (MAPAC)			
		M4	Department of Defense Routing Identifier Code (RIC)			
		UR	Uniform Resource Locator (URL)			

Must Use **N104** **67** **Identification Code** **X** **1** **AN 2/80**

Code identifying a party or other code

Not Used **N105** **706** **Entity Relationship Code** **O** **1** **ID 2/2**

Code describing entity relationship

N106 **98** **Entity Identifier Code** **O** **1** **ID 2/3**

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

FR	Message From
PK	Party to Receive Copy
TO	Message To

Segment: **LM** Code Source Information

Position:	3400
Loop:	LM Optional
Level:	Detail
Usage:	Optional
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:	*Use only in 2/HL/0100 transaction reference number loops to identify coded information maintained in department or agency documentation.*

Data Element Summary

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

Segment:	**LQ** Industry Code		
Position:	3500		
Loop:	LM	Optional	
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. Des.	Data Element	Name	Attributes		
Must Use	LQ01	1270	**Code List Qualifier Code**	O	1	ID 1/3
			Code identifying a specific industry code list			
			Use any code.			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
Must Use	LQ02	1271	**Industry Code**	X	1	AN 1/30
			Code indicating a code from a specific industry code list			

Segment: **SE** **Transaction Set Trailer**
Position: 0200
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. Des.	Data Element	Name	Attributes		
M	SE01	96	**Number of Included Segments**	M	1	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	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
			Cite the same number as the one cited in ST02.			