

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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BSN	Beginning Segment for Ship Notice	M	1		
Must Use	040	DTM	Date/Time Reference	M	10		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL	200000			
Must Use	010	HL	Hierarchical Level	M	1		c1
Must Use	080	MEA	Measurements	M	40		
Must Use	110	TD1	Carrier Details (Quantity and Weight)	M	20		
Must Use	120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		
Must Use	130	TD3	Carrier Details (Equipment)	M	12		
			LOOP ID - N1	200			
Must Use	220	N1	Name	M	1		
Must Use	220	N1	Name	M	1		
			LOOP ID - HL	200000			
Must Use	010	HL	Hierarchical Level	M	1		c2
Must Use	020	LIN	Item Identification	M	1		
Must Use	030	SN1	Item Detail (Shipment)	M	1		
	260	REF	Reference Identification	O	12		
			LOOP ID - CLD	200			
Must Use	170	CLD	Load Detail	M	1		
	180	REF	Reference Identification	O	200		
			LOOP ID - HL	200000			
Must Use	010	HL	Hierarchical Level	M	1		c3
	180	REF	Reference Identification	O	200		
			LOOP ID - CLD	200			
Must Use	170	CLD	Load Detail	M	1		
	180	REF	Reference Identification	O	200		

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n1
Must Use	020	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.
2. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
3. 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: 010
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 - Ship Notice/Manifest	M ID 3/3
		856	X12.10 Ship Notice/Manifest	
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set 0001 - Transaction Set Control Number	M AN 4/9

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 - Original	M ID 2/2
		00	Original	
Must Use	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment 123456 - Shipment Identification Number (SID)	M AN 2/30
Must Use	BSN03	373	Date Date (YYMMDD) 961008 - ASN Generation Date (October 8, 1996)	M DT 6/6
Must Use	BSN04	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) 1523 - ASN Generation Time (3:23 p.m.)	M TM 4/8

Segment: **DTM** Date/Time Reference
Position: 040
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 - Shipped	M ID 3/3
			011 Shipped	
Must Use	DTM02	373	Date Date (YYMMDD) 961008 - Date of Shipment (Oct 8, 1996)	M DT 6/6
			961008 - Date of Shipment (Oct 8, 1996)	
Must Use	DTM03	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) 1520 - Time of Shipment (3:20 p.m.)	M TM 4/8
			1520 - Time of Shipment (3:20 p.m.)	
Must Use	DTM04	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 codes that follow ET - Eastern Standard Time Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 2/2
			ET - Eastern Standard Time	
			Refer to 003060 Data Element Dictionary for acceptable code values.	
Must Use	DTM05	624	Century The first two characters in the designation of the year (CCYY) 19 - Century Indicator	M N0 2/2
			19 - Century Indicator	

Segment: **HL Hierarchical Level**
Position: 010
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

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.
 - 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure 1 - First HL Segment in Transaction Set	M AN 1/12
Must Use	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S - Shipment Level	M ID 1/2
			S Shipment	

Segment: **MEA** Measurements

Position: 080

Loop: HL Mandatory

Level: Detail:

Usage: Mandatory

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies PD - Physical Dimension Qualifier	M ID 2/2
			PD Physical Dimensions	
Must Use	MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies G - Gross Weight Qualifier	M ID 1/3
			G Gross Weight	
Must Use	MEA03	739	Measurement Value The value of the measurement 500 - Weight	M R 1/20
Must Use	MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) LB - Pounds	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	M ID 2/2

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 110
Loop: HL Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TD101	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material CTN71 - Container	M AN 3/5
			CTN Carton 71 Not Otherwise Specified	
Must Use	TD102	80	Lading Quantity Number of units (pieces) of the lading commodity 5 - Number of Containers	M N0 1/7

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 120
Loop: HL Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Semantic Notes:
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement B - Origin/Delivery Carrier	M ID 1/2
			B Origin/Delivery Carrier (Any Mode)	
Must Use	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 - Standard Carrier Alpha code (SCAC)	M ID 1/2
			2 Standard Carrier Alpha Code (SCAC)	
Must Use	TD503	67	Identification Code Code identifying a party or other code CETR - Central Transport	M AN 2/20
Must Use	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment LT - Less Than Truck Load LT Less Than Trailer Load (LTL)	M ID 1/2

Segment: **TD3** Carrier Details (Equipment)

Position: 130

Loop: HL Mandatory

Level: Detail:

Usage: Mandatory

Max Use: 12

Purpose: To specify transportation details relating to the equipment used by the carrier

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TD301	40	Equipment Description Code Code identifying type of equipment used for shipment TL - Trailer	M ID 2/2
			TL Trailer (not otherwise specified)	
Must Use	TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) 654321 - Trailer Number	M AN 1/10

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Segment: **N1** Name
Position: 220
Loop: N1 Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual MI - Material Release Issuer	M ID 2/2
			SF Ship From	
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 - Assigned by buyer	M ID 1/2
			92 Assigned by Buyer or Buyer's Agent	
Must Use	N104	67	Identification Code Code identifying a party or other code Cadence Innovation Assigned Vendor Code	M AN 2/20

Cadence Innovation, LLC

Segment: **N1** Name
Position: 220
Loop: N1 Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual SU - Supplier	M ID 2/2
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92- Assigned by buyer	M ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Cadence Innovation Assigned plant code	M AN 2/20

Segment: **HL** Hierarchical Level
Position: 010
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

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.
 - 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure 2 - Second HL Segment in the Transaction Set	M AN 1/12
Must Use	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to 1 - Subordinate of First HL Segment in Transaction	M AN 1/12
Must Use	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O - Order Level	M ID 1/2
			O Order	

Segment: **LIN** Item Identification
Position: 020
Loop: HL Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP - Buyer's Part Number Qualifier	M ID 2/2
			BP Buyer's Part Number	
Must Use	LIN03	234	Product/Service ID Identifying number for a product or service 753159 - Buyer's Part Number	M AN 1/40
Must Use	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO - Purchase Order Qualifier	M ID 2/2
			PO Purchase Order Number	
Must Use	LIN05	234	Product/Service ID Identifying number for a product or service G5223 - Purchase Order Number	M AN 1/40
Must Use	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC - Engineering Change Qualifier	M ID 2/2
			PL Purchaser's Order Line Number	
Must Use	LIN07	234	Product/Service ID Identifying number for a product or service P.O. Line #	M AN 1/40
Must Use	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC - Engineering Change Level	M ID 2/2
Must Use	LIN09	234	Product/Service ID Identifying number for a product or service Engineering Change Level	M AN 1/40

Segment: **SN1** Item Detail (Shipment)
Position: 030
Loop: HL Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Semantic Notes: 1 SN101 is the ship notice line-item identification.
Comments: 1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set 700 - Quantity Shipped	M R 1/10
Must Use	SN103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken PC - Unit of Measure PC Piece	M ID 2/2
Must Use	SN104	646	Quantity Shipped to Date Number of units shipped to date 700 - Cumulative Quantity Shipped YTD	M R 1/9

Segment: **REF** Reference Identification
Position: 260
Loop: HL Mandatory
Level: Detail:
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location LS Bar-Coded Serial Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **CLD** Load Detail
Position: 170
Loop: CLD Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify the number of material loads shipped
Semantic Notes: 1 CLD05 is used to dimension the value given in CLD04.
Comments: 1 The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	CLD01	622	Number of Loads Number of customer-defined loads shipped by the supplier	M N0 1/5
Must Use	CLD02	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M R 1/10
Must Use	CLD03	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	M AN 3/5
			BOX Box	
			71 Not Otherwise Specified	

Segment: **REF** Reference Identification
Position: 180
Loop: CLD Mandatory
Level: Detail:
Usage: Optional
Max Use: 200
Purpose: To specify identifying information
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location LS Bar-Coded Serial Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **HL Hierarchical Level**
Position: 010
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 (Another HL may be needed at "O" Level)

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.
 - 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
Must Use	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
			I Item	

Segment: **REF** Reference Identification
Position: 180
Loop: HL Mandatory
Level: Detail:
Usage: Optional
Max Use: 200
Purpose: To specify identifying information
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location LS Bar-Coded Serial Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **CLD** Load Detail
Position: 170
Loop: CLD Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify the number of material loads shipped
Semantic Notes: 1 CLD05 is used to dimension the value given in CLD04.
Comments: 1 The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	CLD01	622	Number of Loads Number of customer-defined loads shipped by the supplier	M N0 1/5
Must Use	CLD02	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M R 1/10
Must Use	CLD03	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	M AN 3/5
			PLT Pallet	
			71 Not Otherwise Specified	

Segment: **REF** Reference Identification
Position: 180
Loop: CLD Mandatory
Level: Detail:
Usage: Optional
Max Use: 200
Purpose: To specify identifying information
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location LS Bar-Coded Serial Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
Must Use	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	M R 1/10

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

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

Data Element Summary

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