

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		
	040	DTM	Date/Time/Period	O	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			200	
M	010	HL	Hierarchical Level (SHIPMENT LEVEL)	M	1		c1
M	080	MEA	Measurements	M	10		
M	110	TD1	Carrier Details (Quantity and Weight)	M	20		
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	130	TD3	Carrier Details (Equipment)	O	12		
	150	REF	Reference Numbers (Bill of Lading)	O	>1		
			LOOP ID - N1			200	
M	220	N1	Name	M	1		
	300	ETD	Excess Transportation Detail	O	1		
			LOOP ID - HL			200	
M	010	HL	Hierarchical Level (ORDER LEVEL)	M	1		
	020	LIN	Item Identification	O	1		
	030	SN1	Item Detail (Shipment)	O	1		
	050	PRF	Purchase Order Reference	O	1		
			LOOP ID - CLD			200	
	170	CLD	Load Detail	O	1		

			LOOP ID - HL			200
M	010	HL	Hierarchical Level (ITEM LEVEL)	M	1	
	030	SN1	Item Detail (Shipment)	O	1	
	150	REF	Reference Numbers	O	>1	

Summary:

	<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>
	010	CTT	Transaction Totals	O	1		n1
M	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.

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
Notes: Examples: ST*856*0001

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set - "856" 856 X12.10 Ship Notice/Manifest	
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	

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
Notes: Examples: BSN*00*1234567890*950328*1230

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace 12 Not Processed 19 Seller initiated change	M ID 2/2
M	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment. Number not repeated within 12 months.	M AN 2/30
M	BSN03	373	Date Date (YYMMDD)	M DT 6/6
M	BSN04	337	Time Local ASN creation 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) Only hours and minutes are required, seconds and decimal seconds are optional.	M TM 4/8

Segment: **DTM** Date/Time/Period
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Notes: Examples: DTM*011*950328*1230*ED*19

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	DTM01	374	Date/Time Qualifier M ID 3/3
		Code specifying type of date or time, or both date and time. "011" Local Date and Time that shipment left the dock.	
		011 Shipped	
	DTM02	373	Date X DT 6/6
		Date (YYMMDD)	
	DTM03	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).	
		Only hours and seconds are required, seconds and decimal seconds are optional.	
	DTM04	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	
		01 Equivalent to ISO P01	
		02 Equivalent to ISO P02	
		CD Central Daylight Time	
		CT Central Time	
		ED Eastern Daylight Time	
		ET Eastern Time	
		GM Greenwich Mean Time	
		MD Mountain Daylight Time	
		MT Mountain Time	
		PD Pacific Daylight Time	
		PT Pacific Time	

DTM05

624

Century

O N0 2/2

The first two characters in the designation of the year (CCYY)

Segment: **HL** Hierarchical Level (SHIPMENT 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
Notes: Examples: HL*1**S

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
M	628 Hierarchical ID Number	M AN 1/12
	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. Use "1" for the Shipment Level.. Increment by 1 for each subsequent HL segment within the transaction (ST -SE)	
M	735 Hierarchical Level Code	M ID 1/2
	Code defining the characteristic of a level in a hierarchical structure	
	S Shipment	

Segment: **MEA** Measurements
Position: 080
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Notes: Examples: MEA*PD*G*39800*LB
 MEA*PD*N*33500*LB

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737		Measurement Reference ID Code Code identifying the broad category to which a measurement applies PD Physical Dimensions	O ID 2/2
MEA02	738		Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies G Gross Weight N Actual Net Weight	O ID 1/3
MEA03	739		Measurement Value The value of the measurement referred to in MEA02.	X R 1/10
MEA04	C001		Composite Unit of Measure To identify a composite unit of measure.	X
M	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 KG Kilogram LB Pound TN Net Ton (2,000 LB).	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
Notes: Examples: TD1*BIN51*3
 TD1*PLT90*4

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD101	103	Packaging Code	O AN 5/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	
		BAG13 = Bag	
		BBL52 = Barrel	
		BIN51 = Wire Mesh Bin	
		BIN52 = Steel Bin	
		BOX25 = Cardboard Box	
		COL52 = Steel Coil	
		CRT71 = Crate	
		CTN25 = Cardboard Carton	
		LSE71 = Loose	
		MIX90 = Mixed	
		PLT71 = Plastic Pallet	
		PLT90 = Wood Pallet	
		RCK58 = Metal Rack	
		SKD71 = Skid	
TD102	80	Lading Quantity	X N0 1/7
		Number of units (pieces) of the lading commodity.	
		Number of packages (returnable and expendable containers) of the type specified in TD101.	

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 120
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Notes: Examples: TD5*B*2*SMEC*LT
TD5*B*2*RDWY*M

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD501	133		Routing Sequence Code	O ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
		B	Origin/Delivery Carrier (Any Mode)	
TD502	66		Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		2	Standard Carrier Alpha Code (SCAC)	
TD503	67		Identification Code	X AN 2/17
			Code identifying a party or other code SCAC Code of pickup carrier. This SCAC may be different than TD302 which is the equipment (trailer) owner SCAC.	
TD504	91		Transportation Method/Type Code	X ID 1/2
			Code specifying the method or type of transportation for the shipment	
		AE	Air Express	
		H	Customer Pickup	
		LT	Less Than Trailer Load (LTL)	
		M	Motor (Common Carrier)	
		R	Rail	
		U	Private Parcel Service	

Segment: **TD3** Carrier Details (Equipment)
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier
Notes: Examples: TD3*TL*RDWY*35667
TD3*RR*CO*888795

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TD301	40	Equipment Description Code Code identifying type of equipment used for shipment RR Rail Car TL Trailer (not otherwise specified) M ID 2/2
	TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number. Equipment (trailer)owners SCAC Code. This SCAC may be different than the pickup carrier SCAC in TD503. O AN 1/4
	TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). Trailer or railcar number. X AN 1/10

Segment: **REF** Reference Numbers (Bill of Lading)

Position: 150

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers.

Notes: Examples: REF*BM*512334
REF*PK*211313
REF*FR*18-666905-23
REF*AW*01DTW765854

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			AW Air Waybill Number	
			BM Bill of Lading Number	
			FR Freight Bill Number	
			MB Master Bill of Lading	
			PK Packing List Number	
			SN Seal Number	
			VN Vendor Order Number	
	REF02	127	Reference Number	X AN 1/30
			Reference number as specified by the Reference Number Qualifier.	

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
Notes: Examples: N1*SU**92*51517

N1*SU**92*51517
 N1*SU**92*51518
 N1*IC**92*78632
 N1*ST**1*807447099

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 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		IC Intermediate Consignee	
		SF Ship From	
		ST Ship To	
		SU Supplier/Manufacturer	
	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	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 Identification Code	X AN 2/17
		Code identifying a party or other code.	
		If N101 = SU this element will contain the 5-digit Vendor Code assigned by Lear.	
		If N101 = SF this element will contain the 5-digit Vendor Code assigned by Lear.	
		If N101 = ST this element will contain the Duns Number of the Lear plant. Do NOT include hyphens or spaces.	
		If N101 = IC this element will contain the 5-digit Vendor Code assigned by Lear .	

Segment: **ETD** Excess Transportation Detail
Position: 300
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relating to premium transportation

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ETD01	626	Excess Transportation Reason Code	M ID 1/2
			Code identifying the reason for shipment via premium transportation rather than the normal mode of transportation.	
			ZZ Mutually Defined	
M	ETD02	627	Excess Transportation Responsibility Code	M ID 1/1
			Code identifying the organization responsible for paying the premium transportation costs	
			A Customer Plant (Receiving Location)	
			S Supplier Authority	
	ETD03	128	Reference Number Qualifier	X ID 2/2
			Code qualifying the Reference Number.	
			AE Authorization for Expense (AFE) Number	
	ETD04	127	Reference Number	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
			Authorization for Excess Transportation Charge (AETC) Number. Call the Lear expeditor to obtain this number	

Segment: **HL** Hierarchical Level (ORDER 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
Notes: Examples: HL*2*1*O

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. Use "1" for the Shipment Level.. Increment by 1 for each subsequent HL segment within the transaction (ST -SE)	
	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. Not used on the Shipment Level but required for all other Levels.	
M	HL03	735 Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		O	Order

Segment: **LIN** Item Identification
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Notes: Examples: LIN**BP*12514412*EC*A*VP*324242*RY*95*RC*082210
LIN**RC*082210

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Test	
			BP Buyer's Part Number	
			RC Returnable Container No.	
M	LIN03	234	Product/Service ID	M AN 1/30
			Lear Part Number identifying product.	
	LIN04	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Required for production parts.	
			EC Engineering Change Level	
	LIN05	234	Product/Service ID	X AN 1/30
			Identifying number for a product or service	
	LIN06	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Required for production parts.	
			VP Vendor's (Seller's) Part Number	
	LIN07	234	Product/Service ID	X AN 1/30
			Identifying number for a product or service	
	LIN08	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			RY Record Keeping or Model Year	
	LIN09	234	Product/Service ID	X AN 1/30
			Identifying number for a product or service	

LIN10	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		"RC" only used if LIN02 is "BP" and parts are shipped in a returnable container.	
		Used only if LIN02 is BP and parts are shipped in a returnable container.	
		RC Returnable Container No.	
LIN11	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
LIN12	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		LIN12 through LIN31 provides 10 additional pairs of Product/Service ID Qualifier (235) and Product Service ID (234).	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
LIN13	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	

Segment: **SN1** Item Detail (Shipment)
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Notes: Examples: SN1**1300*PC*255687

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
M	SN102	382	Number of Units Shipped	M R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
M	SN103	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	
			PC Piece	
	SN104	646	Quantity Shipped to Date	O R 1/9
			Cumulative quantity shipped for the current model year, including the quantity in SN102.	

Segment: **PRF** Purchase Order Reference
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order
Notes: PRF*A6447578896

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
M	PRF01 324 Purchase Order Number	M AN 1/22
	Identifying number for Purchase Order assigned by LEAR.	

Segment: **CLD** Load Detail
Position: 170
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the number of material loads shipped
Notes: Examples: CLD*1*400*PLT90

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	CLD01	622	Number of Loads	M N0 1/5
			Number of pallets or container shipped by the supplier	
M	CLD02	382	Number of Units Shipped	M R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
	CLD03	103	Packaging Code	O AN 5/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	

BAG13 = Bag
 BBL52 = Barrel
 BIN51 = Wire Mesh Bin
 BIN52 = Steel Bin
 BOX25 = Cardboard Box
 COL52 = Steel Coil
 CRT71 = Crate
 CTN25 = Cardboard Carton
 LSE71 = Loose
 MIX90 = Mixed
 PLT71 = Plastic Pallet
 PLT90 = Wood Pallet
 RCK58 = Metal Rack
 SKD71 = Skid

Segment: **HL** Hierarchical Level (ITEM 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
Notes: Examples: HL*3*2*I

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. Use "1" for the Shipment Level.. Increment by 1 for each subsequent HL segment within the transaction (ST -SE)	
	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. Not used on the Shipment Level but required for all other Levels.	
M	HL03	735 Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		I	Item

Segment: **SN1** Item Detail (Shipment)
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Notes: Examples: SN1**400*PC

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
M	SN102	382 Number of Units Shipped	M R 1/10
		Total quantity shipped for one of the packaging units referenced in the previous CLD segments. Usually, this is the quantity of one pallet, and it may or may not comprise the entire quantity shipped for this part.	
M	SN103	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	
		PC Piece	

Segment: **REF** Reference Numbers

Position: 150

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying numbers.

Notes: Examples: REF*LS*4S64534569N/L
REF*LT*TB2A64757896N/

A separate REF segment is required for each master bar code label serial number and for each different lot number. The REF segment(s) for lot number should immediately follow the REF segment of the associated serial number. If master labels are not used, the serial number(s) from the individual packages should be entered in the REF segment.

Lear prefers that a master bar code label be used whenever appropriate (multiple cartons on a pallet, etc.), and that only the serial number for the master label be transmitted in the ASN. Serial numbers for master labels should begin with a "4S" in the first two positions. If more than one lot number exists for a master label, a master lot number should be assigned and only the master lot number should be transmitted in the ASN. It is the suppliers responsibility to maintain an audit trail of lot numbers to individual cartons.

For mixed loads, send the same serial number for each part number. The first two characters of the serial number must be "5S".

Serial numbers must not be repeated within a calendar year.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. LS Bar-Coded Serial Number LT Lot Number	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. If REF01 = LS, this is the Bar Code Serial Number. The first two characters of the serial number identify the type of label. Ex: 3S = Carton/Detail, 4S= Master, 5S = Mixed Load. (NOTE: The field identifier from the barcode label must be the first two characters in the bar coded serial number on the shipping label. It should	X AN 1/30

also appear in human readable format on the barcode label, enclosed in brackets, separate from the "human readable" serial number.)
If REF01 = LT, this is the Lot Number

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347 Hash Total Summed quantities for all the SN102 elements (Number of the units shipped)	O R 1/10

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).

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
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.	
	Same as ST02.	