

856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This X12 Transaction Set 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) The HL segment is the only mandatory segment within the HL loop and, by itself, the HL segment has no meaning.
- 2) The following segments are required for all Overseas (DOORS) shipments: REF, TD3, AND CLD.
- 3) The tare loop and the DTM segment in the Pack loop are to be used only by those vendors that ship directly to a DeCA Central Distribution Center (CDC) and whose items are among those which the shelf life will be tracked.

Heading:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Mandator	0100	ST	Transaction Set Header	M	1		
Mandator	0200	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - HL							200000
Mandator	0100	HL	Hierarchical Level	M	1		c1
LOOP ID - TD3							12
Mandator	1300	TD3	Carrier Details (Equipment)	M	1		
Used	1500	REF	Reference Information	O	>1		
Used	2000	DTM	Date/Time Reference	O	10		
LOOP ID - HL							200000
Mandator	0100	HL	Hierarchical Level	M	1		
Used	0500	PRF	Purchase Order Reference	O	1		
LOOP ID - CLD							200
Used	1700	CLD	Load Detail	O	1		
LOOP ID - HL							200000
Used	0100	HL	Hierarchical Level	O	1		
Used	1900	MAN	Marks and Numbers Information	C	>1		
LOOP ID - HL							200000
Mandator	0100	HL	Hierarchical Level	M	1		
Mandator	0200	LIN	Item Identification	M	1		
Used	0300	SN1	Item Detail (Shipment)	O	1		
Used	2000	DTM	Date/Time Reference	O	10		

Summary:

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
Used	0100	CTT	Transaction Totals	O	1		n1
Mandator	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
Comments:

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u> Mandator	<u>Des.</u> ST01	<u>Element</u> 143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M 1 ID 3/3
Mandator	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	M 1 AN 4/9
Not Used	ST03	1705	Implementation Convention Reference Reference assigned to identify Implementation Convention	O 1 AN 1/35

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
Comments: 1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandatory	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M 1 ID 2/2
Mandatory	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment	M 1 AN 2/30
Mandatory	BSN03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year Date expressed as CCYYMMDD	M 1 DT 8/8
Mandatory	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)	M 1 TM 4/8
Used	BSN05	1005	Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0001 Shipment, Order, Packaging, Item	O 1 ID 4/4
Not Used	BSN06	640	Transaction Type Code Code specifying the type of transaction	X 1 ID 2/2
Not Used	BSN07	641	Status Reason Code Code indicating the status reason	O 1 ID 3/3

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

- 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.

Data Element Summary

<u>User</u> <u>Attribute</u>	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	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 The value for HL01 for this level (SHIPMENT) is 1.	
Not Used	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	
Mandatory	HL03	735	Hierarchical Level Code	M 1 ID 1/2
			Code defining the characteristic of a level in a hierarchical structure S Shipment	
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: TD3 Carrier Details (Equipment)
Position: 1300
Loop: TD3 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Comments:
Notes:

This segment is used to specify a container number for a truckload shipment.
 If TD302 is present, then TD303 is required.
 If TD304 is present, then TD305 is required.
 If either TD305 or TD306 is present, the the other is required.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Used	TD301	40	Equipment Description Code Code identifying type of equipment used for shipment	X 1 ID 2/2
		2B	20 ft. IL Container (Closed Top)	
		4B	40 ft. IL Container (Closed Top)	
Used	TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O 1 AN 1/4
Used	TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X 1 AN 1/15
			The equipment number is the actual number of the rail car or trailer. This information may be used to support freight payment	
Not Used	TD304	187	Weight Qualifier Code defining the type of weight	O 1 ID 1/2
Not Used	TD305	81	Weight Numeric value of weight	X 1 R 1/10
Not Used	TD306	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	X 1 ID 2/2
Not Used	TD307	102	Ownership Code Code indicating the relationship of equipment to carrier or ownership of equipment	O 1 ID 1/1
Not Used	TD308	407	Seal Status Code Code indicating condition of door seal upon arrival	O 1 ID 2/2
Used	TD309	225	Seal Number Unique number on seal used to close a shipment	O 1 AN 2/15
Not Used	TD310	24	Equipment Type Code identifying equipment type	X 1 ID 4/4

Segment: REF Reference Information
Position: 1500
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandatory	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TG Transportation Control Number (TCN)	M 1 ID 2/3
Used	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Transportation Control Number CHAR (17)	X 1 AN 1/50
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

Segment: DTM Date/Time Reference
Position: 2000
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Comments:

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandatory	DTM01	374	Date/Time Qualifier	M 1 ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
Used	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: **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

- 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.

Data Element Summary

<u>User</u> <u>Attribute</u>	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	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	
Used	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	
Mandatory	HL03	735	Hierarchical Level Code	M 1 ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			O Order	
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: PRF Purchase Order Reference
Position: 0500
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order
Comments:

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandatory	PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser DeCA Pull NumberChar(9)	M 1 AN 1/22
Not Used	PRF02	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O 1 AN 1/30
Not Used	PRF03	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O 1 AN 1/8
Not Used	PRF04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Used	PRF05	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Military Call NumberChar(4)	O 1 AN 1/20
Not Used	PRF06	367	Contract Number Contract number	O 1 AN 1/30
Not Used	PRF07	92	Purchase Order Type Code Code specifying the type of Purchase Order	O 1 ID 2/2

Segment: CLD Load Detail
Position: 1700
Loop: CLD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the number of material loads shipped
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.
Notes: Number of actual physical containers in which the complete order will exist. Overseas shipments are required to use this segment.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandator	CLD01	622	Number of Loads	M 1 N0 1/5
			Number of customer-defined loads shipped by the supplier	
Mandator	CLD02	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	
Used	CLD03	103	Packaging Code	O 1 AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
Used	CLD04	357	Size	X 1 R 1/8
			Size of supplier units in pack	
Used	CLD05	355	Unit or Basis for Measurement Code	O 1 ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

Segment: **HL Hierarchical Level**
Position: 0100
Loop: HL Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

- 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: HL03 indicates the application context of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT segment (e.g. Shipment, Order, Tare, Pack, and Item).

If the pack has a UPC case code or a GTIN, the LIN segment at the pack level is used to indicate the UPC case code or the GTIN. The SN1 segment, at the pack level, is used to report the number of cases.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandatory	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	
Used	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	
Mandatory	HL03	735	Hierarchical Level Code	M 1 ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			T Shipping Tare	
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: **MAN Marks and Numbers Information**
Position: 1900
Loop: HL Optional
Level: Detail
Usage: Conditional
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers
Comments:

- 1 When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
- 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Notes: This segment, at the tare level, is used to specify the identification number for the pallet.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandator	MAN01	88	Marks and Numbers Qualifier	M 1 ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			W Pallet Number	
Mandator	MAN02	87	Marks and Numbers	M 1 AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
			Pallet Identifier.	
Not Used	MAN03	87	Marks and Numbers	O 1 AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
Not Used	MAN04	88	Marks and Numbers Qualifier	X 1 ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
Not Used	MAN05	87	Marks and Numbers	X 1 AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
Not Used	MAN06	87	Marks and Numbers	O 1 AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	

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

- 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: If the pack has a UPC Case Code or a case GTIN, the LIN segment at the oack level is used to indicate the UPC case code or case GTIN. The SN1 segment, at the pack level is used to report the number of cases.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u> Mandatory	<u>Des.</u> HL01	<u>Element</u> 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	
Used	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	
<u>Mandatory</u>	HL03	735	Hierarchical Level Code	M 1 ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			P Pack	
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: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
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: LIN02 & LIN03 are for 12 digit UPCs.
 LIN04 & LIN05 are for 14 digit GTINs.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Not Used	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
Used	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UA if sending UPC (12 digits) UK if sending GTIN (14 digits)	M 1 ID 2/2
Used	LIN03	234	Product/Service ID Identifying number for a product or service	M 1 AN 1/48
Used	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UA if sending UPC (12 digits) UK if sending GTIN (14-digits)	C 1 ID 2/2
Used	LIN05	234	Product/Service ID Identifying number for a product or service	C 1 AN 1/48
Used	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN07	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN09	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN11	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN13	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN15	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	LIN17	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2

Not Used	LIN19	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN21	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN23	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN25	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN27	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN29	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN31	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48

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
Comments: 1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Not Used	SN101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
Mandatory	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M 1 R 1/10
Mandatory	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 CA Case LB Pound	M 1 ID 2/2
Not Used	SN104	646	Quantity Shipped to Date Number of units shipped to date	O 1 R 1/15
Not Used	SN105	380	Quantity Numeric value of quantity	X 1 R 1/15
Not Used	SN106	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	X 1 ID 2/2
Not Used	SN107	728	Returnable Container Load Make-Up Code Code identifying the load make-up of the returnable containers in the shipment	O 1 ID 1/2
Not Used	SN108	668	Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer	O 1 ID 2/2

Segment: DTM Date/Time Reference
Position: 2000
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Comments:

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
Mandator	DTM01	374	Date/Time Qualifier	M 1 ID 3/3
			Code specifying type of date or time, or both date and time	
		511	Shelf Life Expiration	
Mandator	DTM02	373	Date	M 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
			Date expressed as CCYYMMDD.	
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: CTT Transaction Totals
Position: 0100
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u> Mandator	<u>Des.</u> CTT01	<u>Element</u> 354	Number of Line Items	M 1 N0 1/6
			Total number of line items in the transaction set	
			CTT01 contains the number of HL segments present in the transaction set.	
Not Used	CTT02	347	Hash Total	O 1 R 1/10
			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.	

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.

18E2 Fifth occurrence of value being

hashed.

Not Used	CTT03	81	1873 Hash Total Weight	X	1 R 1/10
			Numeric value of weight		
Not Used	CTT04	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	CTT05	183	Volume	X	1 R 1/8
			Value of volumetric measure		
Not Used	CTT06	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	CTT07	352	Description	O	1 AN 1/80
			A free-form description to clarify the related data elements and their content		

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

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Mandator	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	
Mandator	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	
		The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).	