



# **JR Simplot Agribusiness - 856 Ship Notice/Manifest**

X12/V4010/856: 856 Ship Notice/Manifest

**Version: 1.0**

**Company:**  
**Modified:**

**JR Simplot**  
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# 856 Ship Notice/Manifest

## Functional Group=SH

**Purpose:** 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.

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
150	REF	Reference Identification	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - N1</b>					<b>200</b>		
220	N1	Name	O	1			Used
250	N4	Geographic Location	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
050	PRF	Purchase Order Reference	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
070	PID	Product/Item Description	O	200			Used
080	MEA	Measurements	O	40			Used
200	DTM	Date/Time Reference	O	10			Used

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

**Notes:**

3/010 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 Example:**

```

ST*856*0001~
BSN*00*6922061*20180828*08152112~
DTM*011*20180828~
HL*1**S*1~
TD5*O*93*035*M*Customer Truck~
N1*ST*Ship to Name*ZZ*12345678~
N4*City*ST*12345~
N1*SF*Ship From Name*ZZ*300001~
N4*City*ST*12345~
HL*2*1*E*1~
TD3*TL*Cust*6 DEG~
HL*3*2*O*1~
PRF*Q-14594*****PURCHASE~
HL*4*3*D*0~
SN1**33.784*MP~
PID*S*08*FP*111.11*11-52-0 MAP~
CTT*4~
SE*18*0001~

```

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

**User Option (Usage):** Must use

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2
		<b>Description:</b> Code to identify the type of information in the Authorization Information			
		<b>CodeList Summary</b> (Total Codes: 7, Included: 1)			
		<b>Code Name</b>			
		00 No Authorization Information Present (No Meaningful Information in I02)			
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10
		<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)			
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2
		<b>Description:</b> Code to identify the type of information in the Security Information			
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)			
		<b>Code Name</b>			
		00 No Security Information Present (No Meaningful Information in I04)			
ISA04	I04	<b>Security Information</b>	M	AN	10/10
		<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)			
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2
		<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified			
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15
		<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element			
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2
		<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified			
		<b>All valid standard codes are used. (Total Codes: 38)</b>			
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15
		<b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them			
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6
		<b>Description:</b> Date of the interchange			

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>	M	ID	1/1
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> Code specifying the version number of the interchange control segments <b>CodeList Summary</b> (Total Codes: 14, Included: 1) <b>Code Name</b> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	NO	9/9
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <b>CodeList Summary</b> (Total Codes: 2, Included: 1) <b>Code Name</b> 0 No Acknowledgment Requested	M	ID	1/1
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>CodeList Summary</b> (Total Codes: 3, Included: 2) <b>Code Name</b> P Production Data T Test Data	M	ID	1/1
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1

# GS Functional Group Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2
		<b>Description:</b> Code identifying a group of application related transaction sets			
		<b>CodeList Summary</b> (Total Codes: 240, Included: 1)			
		<b>Code Name</b>			
		SH Ship Notice/Manifest (856)			
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15
		<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners			
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15
		<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners			
GS04	373	<b>Date</b>	M	DT	8/8
		<b>Description:</b> Date expressed as CCYYMMDD			
GS05	337	<b>Time</b>	M	TM	4/8
		<b>Description:</b> 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)			
GS06	28	<b>Group Control Number</b>	M	NO	1/9
		<b>Description:</b> Assigned number originated and maintained by the sender			
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2
		<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480			
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)			
		<b>Code Name</b>			
		X Accredited Standards Committee X12			
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12
		<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed			
		<b>CodeList Summary</b> (Total Codes: 39, Included: 1)			
		<b>Code Name</b>			
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997			

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3
		<b>Description:</b> Code uniquely identifying a Transaction Set			
		<b>CodeList Summary</b> (Total Codes: 298, Included: 1)			
		<b>Code Name</b>			
		856 Ship Notice/Manifest			
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

# BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**User Option (Usage):** Must use

**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BSN01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2
		<b>Description:</b> Code identifying purpose of transaction set			
		<b>CodeList Summary</b> (Total Codes: 65, Included: 1)			
		<b>Code Name</b>			
		00 Original			
BSN02	396	<b>Shipment Identification</b>	M	AN	2/30
		<b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment			
BSN03	373	<b>Date</b>	M	DT	8/8
		<b>Description:</b> Date expressed as CCYYMMDD			
BSN04	337	<b>Time</b>	M	TM	4/8
		<b>Description:</b> 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)			
BSN05	1005	<b>Hierarchical Structure Code</b>	O	ID	4/4
		<b>Description:</b> Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set			
		<b>CodeList Summary</b> (Total Codes: 61, Included: 1)			
		<b>Code Name</b>			
		0001 Shipment, Order, Packaging, Item			

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	<b>Hierarchical ID Number</b>	M	AN	1/12
		<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12
		<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2
		<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure			
		<b>CodeList Summary</b> (Total Codes: 170, Included: 1)			
		<b>Code Name</b>			
		S Shipment			
HL04	736	<b>Hierarchical Child Code</b>	O	ID	1/1
		<b>Description:</b> Code indicating if there are hierarchical child data segments subordinate to the level being described			
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)			
		<b>Code Name</b>			
		1 Additional Subordinate HL Data Segment in This Hierarchical Structure.			

# TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, and quantity

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD106	187	<b>Weight Qualifier</b>  <b>Description:</b> Code defining the type of weight  <b>CodeList Summary</b> (Total Codes: 51, Included: 1) <b>Code Name</b> G Gross Weight	O	ID	1/2
TD107	81	<b>Weight</b>  <b>Description:</b> Numeric value of weight	X	R	1/10
TD108	355	<b>Unit or Basis for Measurement Code</b>  <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  <b>CodeList Summary</b> (Total Codes: 794, Included: 1) <b>Code Name</b> LB Pound	X	ID	2/2

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD501	133	<b>Routing Sequence Code</b>	O	ID	1/2
		<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement			
		<b>CodeList Summary</b> (Total Codes: 23, Included: 1)			
		<b>Code Name</b>			
		B Origin/Delivery Carrier (Any Mode)			
TD502	66	<b>Identification Code Qualifier</b>	X	ID	1/2
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)			
		<b>CodeList Summary</b> (Total Codes: 215, Included: 1)			
		<b>Code Name</b>			
		2 Standard Carrier Alpha Code (SCAC)			
TD503	67	<b>Identification Code</b>	X	AN	2/80
		<b>Description:</b> Code identifying a party or other code			
TD504	91	<b>Transportation Method/Type Code</b>	X	ID	1/2
		<b>Description:</b> Code specifying the method or type of transportation for the shipment			
		<b>CodeList Summary</b> (Total Codes: 71, Included: 2)			
		<b>Code Name</b>			
		H Customer Pickup			
		M Motor (Common Carrier)			
TD505	387	<b>Routing</b>	X	AN	1/35
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity			

# REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3
		<b>Description:</b> Code qualifying the Reference Identification			
		<b>CodeList Summary</b> (Total Codes: 1503, Included: 1)			
		<b>Code Name</b>			
		BM Bill of Lading Number			
REF02	127	<b>Reference Identification</b>	X	AN	1/30
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3
		<b>Description:</b> Code specifying type of date or time, or both date and time			
		<b>CodeList Summary</b> (Total Codes: 1112, Included: 1)			
		<b><u>Code</u> <u>Name</u></b>			
		011 Shipped			
DTM02	373	<b>Date</b>	X	DT	8/8
		<b>Description:</b> Date expressed as CCYYMMDD			

# N1 Name

<b>Pos: 220</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual			
		<b>CodeList Summary</b> (Total Codes: 1312, Included: 2)			
		<b><u>Code</u> <u>Name</u></b>			
		SF Ship From			
		ST Ship To			
N102	93	<b>Name</b>	X	AN	1/60
		<b>Description:</b> Free-form name			
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)			
		<b>CodeList Summary</b> (Total Codes: 215, Included: 1)			
		<b><u>Code</u> <u>Name</u></b>			
		91 Assigned by Seller or Seller's Agent			
N104	67	<b>Identification Code</b>	X	AN	2/80
		<b>Description:</b> Code identifying a party or other code			

# N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	<b>City Name</b>	O	AN	2/30
		<b>Description:</b> Free-form text for city name			
N402	156	<b>State or Province Code</b>	O	ID	2/2
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency			
N403	116	<b>Postal Code</b>	O	ID	3/15
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	<b>Hierarchical ID Number</b>	M	AN	1/12
		<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12
		<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2
		<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure			
		<b>CodeList Summary</b> (Total Codes: 170, Included: 1)			
		<b>Code Name</b>			
		O Order			
HL04	736	<b>Hierarchical Child Code</b>	O	ID	1/1
		<b>Description:</b> Code indicating if there are hierarchical child data segments subordinate to the level being described			
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)			
		<b>Code Name</b>			
		1 Additional Subordinate HL Data Segment in This Hierarchical Structure.			

# PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To provide reference to a specific purchase order

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PRF01	324	<b>Purchase Order Number</b>	M	AN	1/22
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser			
PRF04	373	<b>Date</b>	O	DT	8/8
		<b>Description:</b> Date expressed as CCYYMMDD			

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	<b>Hierarchical ID Number</b>	M	AN	1/12
		<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12
		<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2
		<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure			
		<b>CodeList Summary</b> (Total Codes: 170, Included: 1)			
		<b>Code Name</b>			
		P Pack			
HL04	736	<b>Hierarchical Child Code</b>	O	ID	1/1
		<b>Description:</b> Code indicating if there are hierarchical child data segments subordinate to the level being described			
		<b>CodeList Summary</b> (Total Codes: 2, Included: 1)			
		<b>Code Name</b>			
		0 No Subordinate HL Segment in This Hierarchical Structure.			

# LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify basic item identification data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	350	<b>Assigned Identification</b>	O	AN	1/20
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set			
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		<b>CodeList Summary</b> (Total Codes: 477, Included: 1)			
		<b>Code Name</b>			
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)			
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48
		<b>Description:</b> Identifying number for a product or service			

# SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify line-item detail relative to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SN101	350	<b>Assigned Identification</b>	O	AN	1/20
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set			
SN102	382	<b>Number of Units Shipped</b>	M	R	1/10
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set			
SN103	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

**CodeList Summary** (Total Codes: 794, Included: 2)

**Code Name**

CA Case  
LB Pound

# PID Product/Item Description

Pos: 070	Max: 200
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PID01	349	<b>Item Description Type</b>	M	ID	1/1
		<b>Description:</b> Code indicating the format of a description			
		<b>CodeList Summary</b> (Total Codes: 3, Included: 1)			
		<b><u>Code</u> <u>Name</u></b>			
		F Free-form			
PID05	352	<b>Description</b>	X	AN	1/80
		<b>Description:</b> A free-form description to clarify the related data elements and their content			

# MEA Measurements

Pos: 080	Max: 40
Detail - Optional	
Loop: HL	Elements: 4

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MEA01	737	<b>Measurement Reference ID Code</b>	O	ID	2/2
		<b>Description:</b> Code identifying the broad category to which a measurement applies			
		<b>CodeList Summary</b> (Total Codes: 152, Included: 1)			
		<b>Code Name</b>			
		WT Weights			
MEA02	738	<b>Measurement Qualifier</b>	O	ID	1/3
		<b>Description:</b> Code identifying a specific product or process characteristic to which a measurement applies			
		<b>CodeList Summary</b> (Total Codes: 920, Included: 1)			
		<b>Code Name</b>			
		N Actual Net Weight			
MEA03	739	<b>Measurement Value</b>	X	R	1/20
		<b>Description:</b> The value of the measurement			
MEA04	C001	<b>Composite Unit of Measure</b>	X	Comp	
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)			
MEA04-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		<b>CodeList Summary</b> (Total Codes: 794, Included: 1)			
		<b>Code Name</b>			
		LB Pound			

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3
		<b>Description:</b> Code specifying type of date or time, or both date and time			
		<b>CodeList Summary</b> (Total Codes: 1112, Included: 2)			
		<b><u>Code</u> <u>Name</u></b>			
		036 Expiration			
		094 Manufacture			
DTM02	373	<b>Date</b>	X	DT	8/8
		<b>Description:</b> Date expressed as CCYYMMDD			

# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	NO	1/6

**Description:** Total number of line items in the transaction set

# SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments			
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the end of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	NO	1/6
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
GE02	28	<b>Group Control Number</b>	M	NO	1/9
		<b>Description:</b> Assigned number originated and maintained by the sender			

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	NO	1/5
		<b>Description:</b> A count of the number of functional groups included in an interchange			
IEA02	I12	<b>Interchange Control Number</b>	M	NO	9/9
		<b>Description:</b> A control number assigned by the interchange sender			