JR Simplot Food Group - 856 Ship Notice/Manifest

Version: 1.0

Company:	**JR Simplot Company**
Modified:	**9/4/2018**

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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:

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

Heading:

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

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**		
010	HL	Hierarchical Level	M	1			Must use
020	LIN	Item Identification	O	1			Used
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
LOOP ID - N1					**200**		
220	N1	Name	O	1			Used
250	N4	Geographic Location	O	1			Used
LOOP ID - HL					**200000**		
010	HL	Hierarchical Level	M	1			Must use
050	PRF	Purchase Order Reference	O	1			Used
LOOP ID - HL					**200000**		
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:

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

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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*6972996*20180815*01304000*0001~
HL*1**S*1~
TD1******G*38448*LB~
TD5*B*2*CUST*H *Customer Truck~
REF*BM*6972996~
DTM*011*20180815~
N1*ST*Ship to Name*01*10987654~
N4*City*State*12345-1234~
N1*SF*Ship from Name*01*123456~
N4*City*State*12345-1234
HL*2*1*O*1~
PRF*16753***20180806~
HL*3*2*P*0~
LIN**UK*12345600123456~
SN1**72*CA~
PID*F****Restaurants Pride Preferred Fries 1/2" CC 6/5#~
MEA*WT*N*2160*LB~
HL*4*2*P*0~
LIN**UK*00048200274951~
SN1**144*CA~
PID*F****Restaurants Pride Preferred Fries 3/8" SC 6/5#~
MEA*WT*N*4320*LB~
HL*5*2*P*0~
LIN**UK*10071179228035~
SN1**144*CA~
PID*F****Sun Crop Fries CC SS 6/5#~
MEA*WT*N*4320*LB~
HL*6*2*P*0~
LIN**UK*10071179250302~
SN1**864*CA~
PID*F****Simplot Classic Fries Fries 5/16" CC 6/4.5#~
MEA*WT*N*23328*LB~
HL*7*2*P*0~
LIN**UK*10071179458029~
SN1**144*CA~
PID*F****Simplot Blue Ribbon Fries 5/16" SC 6/5#~
MEA*WT*N*4320*LB~
SE*39*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:

Ref	Id	Element Name	Req	Type	Min/Max
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2

Description: Code to identify the type of information in the Authorization Information

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max
ISA02	I02	**Authorization Information**	M	AN	10/10

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max
ISA03	I03	**Security Information Qualifier**	M	ID	2/2

Description: Code to identify the type of information in the Security Information

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max
ISA04	I04	**Security Information**	M	AN	10/10

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

CodeList Summary (Total Codes: 38, Included: 1)

Code	Name
12	Phone (Telephone Companies)

Ref	Id	Element Name	Req	Type	Min/Max
ISA06	I06	**Interchange Sender ID**	M	AN	15/15

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used. (Total Codes: 38)

Ref	Id	Element Name	Req	Type	Min/Max
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max
ISA09	I08	**Interchange Date**	M	DT	6/6

Description: Date of the interchange

ISA10	I09	**Interchange Time**	M	TM	4/4

Description: Time of the interchange

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

All valid standard codes are used. (Total Codes: 1)

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5

Description: Code specifying the version number of the interchange control segments

CodeList Summary (Total Codes: 14, Included: 1)

Code **Name**

00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

ISA13	I12	**Interchange Control Number**	M	N0	9/9

Description: A control number assigned by the interchange sender

ISA14	I13	**Acknowledgment Requested**	M	ID	1/1

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

CodeList Summary (Total Codes: 2, Included: 1)

Code **Name**

0   No Acknowledgment Requested

ISA15	I14	**Usage Indicator**	M	ID	1/1

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information

CodeList Summary (Total Codes: 3, Included: 2)

Code **Name**

P   Production Data
T   Test Data

ISA16	I15	**Component Element Separator**	M		1/1

Description: 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

GS   Functional Group Header

Pos:	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GS01	479	**Functional Identifier Code**	M	ID	2/2

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 240, Included: 1)

Code	Name
SH	Ship Notice/Manifest (856)

Ref	Id	Element Name	Req	Type	Min/Max
GS02	142	**Application Sender's Code**	M	AN	2/15

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max
GS03	124	**Application Receiver's Code**	M	AN	2/15

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max
GS04	373	**Date**	M	DT	8/8

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max
GS05	337	**Time**	M	TM	4/8

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max
GS06	28	**Group Control Number**	M	N0	1/9

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max
GS07	455	**Responsible Agency Code**	M	ID	1/2

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12

Description: 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

CodeList Summary (Total Codes: 39, Included: 1)

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max
ST02	329	**Transaction Set Control Number**	M	AN	4/9

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 65, Included: 1)

Code Name
00 Original

Ref	Id	Element Name	Req	Type	Min/Max
BSN02	396	**Shipment Identification**	M	AN	2/30

Description: A unique control number assigned by the original shipper to identify a specific shipment

Ref	Id	Element Name	Req	Type	Min/Max
BSN03	373	**Date**	M	DT	8/8

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max
BSN04	337	**Time**	M	TM	4/8

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max
BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4

Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set

CodeList Summary (Total Codes: 61, Included: 1)

Code Name
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:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	628	**Hierarchical ID Number**	M	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL03	735	**Hierarchical Level Code**	M	ID	1/2

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
S	Shipment

Ref	Id	Element Name	Req	Type	Min/Max
HL04	736	**Hierarchical Child Code**	O	ID	1/1

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

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

LIN Item Identification

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LIN01	350	**Assigned Identification**	O	AN	1/20
		Description: Alphanumeric characters assigned for differentiation within a transaction set			
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN03	234	**Product/Service ID**	M	AN	1/48
		Description: Identifying number for a product or service			
LIN04	235	**Product/Service ID Qualifier**	O	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

CodeList Summary (Total Codes: 477, Included: 1)

Code	Name
LT	Lot Number

Ref	Id	Element Name	Req	Type	Min/Max
LIN05	234	**Product/Service ID**	O	AN	1/48
		Description: Identifying number for a product or service			
LIN06	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN07	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN08	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN09	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN10	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN11	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN12	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

Ref	Id	Element Name	Req	Type	Min/Max
		All valid standard codes are used. (Total Codes: 477)			
LIN13	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN14	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN15	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN16	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN17	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN18	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN19	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN20	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN21	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN22	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN23	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN24	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			
LIN25	234	**Product/Service ID**	X	AN	1/48
		Description: Identifying number for a product or service			
LIN26	235	**Product/Service ID Qualifier**	X	ID	2/2
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used. (Total Codes: 477)**			

Ref	Id	Element Name	Req	Type	Min/Max
LIN27	234	**Product/Service ID**	X	AN	1/48

Description: Identifying number for a product or service

| LIN28 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
All valid standard codes are used. (Total Codes: 477)

| LIN29 | 234 | **Product/Service ID** | X | AN | 1/48 |

Description: Identifying number for a product or service

| LIN30 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
All valid standard codes are used. (Total Codes: 477)

| LIN31 | 234 | **Product/Service ID** | X | AN | 1/48 |

Description: Identifying number for a product or service

TD1 Carrier Details (Quantity and Weight)

<table>
<tr><td>Pos: 110</td><td>Max: 20</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD106	187	**Weight Qualifier**	O	ID	1/2

Description: Code defining the type of weight

CodeList Summary (Total Codes: 51, Included: 1)

Code **Name**
G   Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max
TD107	81	**Weight**	X	R	1/10

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max
TD108	355	**Unit or Basis for Measurement Code**	X	ID	2/2

Description: 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: 1)

Code **Name**
LB   Pound

TD5 Carrier Details (Routing Sequence/Transit Time)

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD501	133	**Routing Sequence Code**	O	ID	1/2

Description: Code describing the relationship of a carrier to a specific shipment movement

CodeList Summary (Total Codes: 23, Included: 1)

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max
TD502	66	**Identification Code Qualifier**	X	ID	1/2

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max
TD503	67	**Identification Code**	X	AN	2/80

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max
TD504	91	**Transportation Method/Type Code**	X	ID	1/2

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 71, Included: 2)

Code	Name
H	Customer Pickup
M	Motor (Common Carrier)

Ref	Id	Element Name	Req	Type	Min/Max
TD505	387	**Routing**	X	AN	1/35

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

DTM   Date/Time Reference

<table>
<tr><td>Pos: 200</td><td>Max: 10</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 1)

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	373	**Date**	X	DT	8/8

Description: Date expressed as CCYYMMDD

N1   Name

<table>
<tr><td>Pos: 220</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	98	**Entity Identifier Code**	M	ID	2/3

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

    CodeList Summary (Total Codes: 1312, Included: 2)

Code	Name
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max
N102	93	**Name**	X	AN	1/60

    Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max
N103	66	**Identification Code Qualifier**	X	ID	1/2

    Description: Code designating the system/method of code structure used for Identification Code (67)

    CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
91	Assigned by Seller or Seller's Agent

Ref	Id	Element Name	Req	Type	Min/Max
N104	67	**Identification Code**	X	AN	2/80

    Description: Code identifying a party or other code

N4   Geographic Location

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

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

HL   Hierarchical Level

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	628	**Hierarchical ID Number**	M	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL03	735	**Hierarchical Level Code**	M	ID	1/2

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
O	Order

Ref	Id	Element Name	Req	Type	Min/Max
HL04	736	**Hierarchical Child Code**	O	ID	1/1

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

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

PRF Purchase Order Reference

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To provide reference to a specific purchase order

Element Summary:

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

HL   Hierarchical Level

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	628	**Hierarchical ID Number**	M	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12

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

Ref	Id	Element Name	Req	Type	Min/Max
HL03	735	**Hierarchical Level Code**	M	ID	1/2

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary (Total Codes: 170, Included: 1)

Code	Name
P	Pack

Ref	Id	Element Name	Req	Type	Min/Max
HL04	736	**Hierarchical Child Code**	O	ID	1/1

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

CodeList Summary (Total Codes: 2, Included: 1)

Code	Name
0	No Subordinate HL Segment in This Hierarchical Structure.

LIN Item Identification

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LIN01	350	**Assigned Identification**	O	AN	1/20

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2

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

CodeList Summary (Total Codes: 477, Included: 1)

Code	Name
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max
LIN03	234	**Product/Service ID**	M	AN	1/48

Description: Identifying number for a product or service

SN1 Item Detail (Shipment)

<table>
<tr><td>Pos: 030</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SN101	350	**Assigned Identification**	O	AN	1/20

Description: Alphanumeric characters assigned for differentiation within a transaction set

SN102	382	**Number of Units Shipped**	M	R	1/10

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2

Description: 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

<table>
<tr><td>Pos: 070</td><td>Max: 200</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PID01	349	**Item Description Type**	M	ID	1/1

    Description: Code indicating the format of a description

    CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max
PID05	352	**Description**	X	AN	1/80

    Description: A free-form description to clarify the related data elements and their content

MEA Measurements

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:

Ref	Id	Element Name	Req	Type	Min/Max
MEA01	737	**Measurement Reference ID Code**	O	ID	2/2

Description: Code identifying the broad category to which a measurement applies

CodeList Summary (Total Codes: 152, Included: 1)

Code	Name
WT	Weights

Ref	Id	Element Name	Req	Type	Min/Max
MEA02	738	**Measurement Qualifier**	O	ID	1/3

Description: Code identifying a specific product or process characteristic to which a measurement applies

CodeList Summary (Total Codes: 920, Included: 1)

Code	Name
N	Actual Net Weight

Ref	Id	Element Name	Req	Type	Min/Max
MEA03	739	**Measurement Value**	X	R	1/20

Description: The value of the measurement

Ref	Id	Element Name	Req	Type	Min/Max
MEA04	C001	**Composite Unit of Measure**	X	Comp	

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

Ref	Id	Element Name	Req	Type	Min/Max
MEA04-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2

Description: 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: 1)

Code	Name
LB	Pound

DTM Date/Time Reference

<table>
<tr><td>Pos: 200</td><td>Max: 10</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 2)

Code	Name
036	Expiration
094	Manufacture

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	373	**Date**	X	DT	8/8

Description: Date expressed as CCYYMMDD

CTT Transaction Totals

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	354	**Number of Line Items**	M	N0	1/6

          Description: Total number of line items in the transaction set

SE   Transaction Set Trailer

<div>

Pos: 020   **Max: 1**

Summary - Mandatory

Loop: N/A   **Elements: 2**

</div>

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:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	96	**Number of Included Segments**	M	N0	1/10
		Description: Total number of segments included in a transaction set including ST and SE segments			
SE02	329	**Transaction Set Control Number**	M	AN	4/9
		Description: 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

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max
GE02	28	**Group Control Number**	M	N0	1/9

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5
		Description: A count of the number of functional groups included in an interchange			
IEA02	I12	**Interchange Control Number**	M	N0	9/9
		Description: A control number assigned by the interchange sender			