



**Domestic
Advanced Shipment
Notification (ASN) for
Distribution Centers (DC)
EDI-856
X12 – 4010**

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This specification 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.

Walgreen Notes:

The EDI-856 Transaction Set is Inbound to Walgreens.

PURPOSE: The 856 Transaction Set is used to help expedite the receipt of supplier goods at Walgreens distribution centers. It is also being used to update shipped quantities for Walgreen purchasing agents.

IDs TO BE USED FOR TESTING

ISA: ZZ*008965063T

GS: 008965063T

IDs TO BE USED FOR PRODUCTION

ISA: 01*008965063

GS: 008965063

SEPARATORS/TERMINATORS RECOMMENDED BY WALGREENS

Sub-element separator: > (EBCDIC Hex 6e/ASCII Hex 3e)

Element separator: * (EBCDIC Hex 5c/ASCII Hex 2a)

Segment terminator: ~ (EBCDIC Hex a1/ASCII Hex 7e)

The information contained on the 856 should include product information, the shipped quantities of those items, reference numbers and the date of delivery.

The 856 uses Hierarchal Loops (HLs) to electronically represent the physical shipment. Specifically, the HL03 value can take on the following values at Walgreens:

- S = Shipment (Trailer level)
- O = Order (Purchase Order level). Child of the Shipment
- T = Tare (Pallet level). Child of the Order
- P = Pack (Case level). Child of the Order or Tare
- I = Item (Individual SKU level, also referred to as "Each", "Piece", or "Onlies"). Child of the Tare or Pack

Typical pack configurations accepted at Walgreens:

- ❖ **SOTPI:** Trailer load of pallets, with product in cases (can be single item or mixed case pallets). Note: the MAN segment at the Tare (Pallet) level must contain the SSCC18 barcode corresponding to the GS1-128 label on the Pallet. When palletized, GS1-128 labels on the cases are optional, however, each case must be labeled with an EAN/UCC-14 (previously known as SCC-14) barcode corresponding to the Pack (Case) level MAN segment.
- ❖ **SOTI:** Trailer load of pallets, with product shipped in individual (SKU level) packaging. Note: the MAN segment at the Tare (Pallet) level must contain the SSCC18 barcode corresponding to the GS1-128 label on the Pallet. GS1-128 labels are not needed on the items.

- ❖ **SOPI:** Loose FedEx/UPS cases, Master Cartons (more than one item shipped in a case), or floor stacked cases in Ocean Container shipments. Note: the MAN segment at the Pack (Case) level must contain the SSCC18 barcode corresponding to the GS1-128 label on the Case or Master Carton.

The appendix at the end of this guide provides two sets of sample documents to illustrate the most common structures seen in shipments to Walgreens' Distribution Centers.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	010	ST	Transaction Set Header	M	1		
6	020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1	
7	010	HL	Hierarchical Level - Shipment	M	1		c1
8	110	TD1	Carrier Details (Quantity and Weight)	M	1		
9	120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		
10	130	TD3	Carrier Details (Equipment) - Trailer Number	O	1		
11	150	REF	Reference Identification - Freight Bill or Carrier PRO Number	M	4		
12	150	REF	Reference Identification - Vendor Number	M	4		
13	150	REF	Reference Identification - Bill of Lading Number	M	4		
14	200	DTM	Date/Time Reference - Shipped Date	M	2		
15	200	DTM	Date/Time Reference - Delivery Date	M	2		
			LOOP ID - N1			2	
16	220	N1	Name - Ship To	M	1		
			LOOP ID - N1			2	
17	220	N1	Name - Ship From	M	1		
18	250	N4	Geographic Location - Ship From	M	1		
			LOOP ID - HL			500	
19	010	HL	Hierarchical Level - Order	M	1		
20	050	PRF	Purchase Order Reference	M	1		
			LOOP ID - HL			500	
21	010	HL	Hierarchical Level - Tare	C	1		
22	190	MAN	Marks and Numbers	M	1		
			LOOP ID - HL			500	
23	010	HL	Hierarchical Level - Pack	C	1		
24	190	MAN	Marks and Numbers	C	>1		
			LOOP ID - HL			500	
25	010	HL	Hierarchical Level - Item	M	1		
26	020	LIN	Item Identification	M	1000		
29	030	SN1	Item Detail (Shipment)	M	1000		
31	060	PO4	Item Physical Details	O	1000		
33	070	PID	Product/Item Description	M	1000		
34	200	DTM	Date/Time Reference - Expiration Date	C	1000		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
35	010	CTT	Transaction Totals	M	1		n1
36	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M ID 3/3
M	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 AN 4/9

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

- 1 BSN03 is the date the shipment transaction set is created.
- 2 BSN04 is the time the shipment transaction set is created.
- 3 BSN06 is limited to shipment related codes.

Comments:

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set Walgreens Notes: When sending a code of '00' in the BSN01, the BSN02 must be unique. 00 Original	M ID 2/2
M	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment Walgreens Notes: This number cannot contain dashes, spaces, or any other special characters.	M AN 2/30
M	BSN03	373	Date Date expressed as CCYYMMDD Walgreens Notes: This field should contain ASN creation date.	M DT 8/8
M	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) Walgreens Notes: This field should contain ASN creation time.	M TM 4/8
M	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	M ID 4/4
M	BSN06	640	Transaction Type Code Code specifying the type of transaction AS Shipment Advice Notification by an inventory management organization providing current shipping advice relating to the outstanding requisition or order	M ID 2/2

Segment:	HL Hierarchical Level - Shipment
Position:	010
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Comments:	<ol style="list-style-type: none"> 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.
Example:	HL*1**S*1~

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S Shipment	M ID 1/1
M	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described 1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	M ID 1/1

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 110
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:

- 1 If TD101 is present, then TD102 is required.
- 2 If TD103 is present, then TD104 is required.
- 3 If TD106 is present, then TD107 is required.
- 4 If either TD107 or TD108 is present, then the other is required.
- 5 If either TD109 or TD110 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TD101	103	Packaging Code 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 Walgreens Notes: Walgreens can accept either the 3 character code value (i.e., CAS, PLT) or the 5 character code value (i.e., CAS25, PLT94) CAS Case CTN Carton PLT Pallet CAS25 Corrugated or Solid PLT94 Wood	M AN 3/5
M	TD102	80	Lading Quantity Number of units (pieces) of the lading commodity Walgreens Notes: The Lading Quantity is the commodity.	M N0 1/7
Used	TD106	187	Weight Qualifier Code defining the type of weight G Gross Weight	O ID 1/1
Used	TD107	81	Weight Numeric value of weight Walgreens Notes: Reminder: You must populate TD106 with the appropriate weight code if you are sending data in TD107 (weight).	X R 1/10
Used	TD108	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	X ID 2/2

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	120
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	M ID 1/1
M	TD503	67	Identification Code Code identifying a party or other code Walgreens Notes: THIS ELEMENT IS MANDATORY. This code represents the SCAC of the carrier used. If your own truck is used, you must send a SCAC of "TRCK" in this field.	M AN 3/80
M	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction Walgreens Notes: The Shipment/Order Status Code is used to define the status of the shipment based on the Purchase Order. If multiple ASNs are sent in response to a single PO, then the final ASN must contain a code of 'CC', with all previous ASNs for the same PO containing a code of 'PR'. CC Shipment Complete on (Date) PR Partial Shipment	M ID 2/2

Segment: **TD3** Carrier Details (Equipment) - Trailer Number
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes: 1 Only one of TD301 or TD310 may be present.
2 If TD302 is present, then TD303 is required.

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Used	TD301	40	Equipment Description Code Code identifying type of equipment used for shipment TL Trailer (not otherwise specified)	X ID 2/2
Used	TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O 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 AN 1/10

Segment: **REF** Reference Identification - Freight Bill or Carrier PRO Number
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 4
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification CN Carrier's Reference Number (PRO/Invoice) FR Freight Bill Number	M ID 2/2
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/20
Walgreens Notes: If your own truck is used for this shipment, you must send the invoice number here.				

Segment:

Position:

Loop:

Level:

Usage:

Max Use:

Purpose:

Syntax Notes:

REF

Reference Identification - Vendor Number

150

HLMandatory

Detail

Mandatory

4

To specify identifying information

1At least one of REF02 or REF03 is required.

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	Reference Identification Qualifier	MID 2/2
			Code qualifying the Reference Identification	
			VRVendor ID Number	
M	REF02	127	Reference Identification	MAN 6/10
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Walgreens Notes:	
			This field must contain your Legacy 6-digit Walgreens Marketing Vendor Number or 10-digit SAP Vendor Number, as communicated to you on the Purchase Order. Note: This is NOT the same as your Walgreens Accounts Payable Number.	

Segment: **REF** Reference Identification - Bill of Lading Number
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 4
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/2
			Code qualifying the Reference Identification	
			BM Bill of Lading Number	
			LO Load Planning Number	
			Walgreens Notes:	
			When sending a code of 'LO' in the REF01, the Walgreens assigned Load Planning Number must be provided in the REF02. The Load Planning Number is assigned by Walgreens when a delivery appointment is scheduled.	
M	REF02	127	Reference Identification	M AN 1/20
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	DTM Date/Time Reference - Shipped Date
Position:	200
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	2
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
Walgreens Notes:	THIS SEGMENT IS MANDATORY. There should be two DTM segments sent on your ASNs - this one to call out the shipment date (DTM01 = "011") and another one to call out the delivery date (DTM01 = "017" or "067").

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
M	DTM02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
Used	DTM03	337	Time	O 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)	

Segment:	DTM	Date/Time Reference - Delivery Date
Position:	200	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	2	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.	
Walgreens Notes:	THIS SEGMENT IS MANDATORY. There should be two DTM segments sent on your ASNs - this one to call out the shipment date (DTM01 = "011") and another one to call out the delivery date (DTM01 = "017" or "067"). You must provide either the estimated delivery date or the scheduled delivery date, by using only one of the qualifiers '017' or '067'.	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			017 Estimated Delivery	
			067 Current Schedule Delivery	
M	DTM02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
Used	DTM03	337	Time	O 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)	

Segment: **N1** Name - Ship To
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To	
M	N103	66	Identification Code Qualifier	M ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			92 Assigned by Buyer or Buyer's Agent	
M	N104	67	Identification Code	M AN 4/13
			Code identifying a party or other code	

Walgreens Notes:

DC Purchase Orders will transmit either the 4-character SAP (alphanumeric) Site number or the 13-character DUNS+4 value (with leading zeroes) in this element.

Example:

Legacy DC	Legacy DUNS+4	SAP DC Site Number	GFR/GNFR DC Name
88001	008965063W001	ZD12	WALGREENS CO - JUPITER
88001	008965063W001	ZD13	WALGREENS NATIONAL - JUPITER

A current list of DC numbers is available from our [SupplierNet](#) website.

Segment: **N1** Name - Ship From
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, property or an individual	
			SF Ship From	
M	N103	66	Identification Code Qualifier	M ID 1/1
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
M	N104	67	Identification Code	M AN 9/13
			Code identifying a party or other code	

Walgreens Notes:

The DUNS number for your shipping facility must be provided.

Segment:

Position:

Loop:

Level:

Usage:

Max Use:

Purpose:

Comments:

N4

Geographic Location - Ship From

250

N1 Mandatory

Detail

Mandatory

1

To specify the geographic place of the named party

1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

Data Element Summary

M	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
	N403	116	Postal Code	M ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

Segment:	HL Hierarchical Level - Order
Position:	010
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Comments:	<ol style="list-style-type: none"> 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.
Example:	HL*2*1*O*1~

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
M	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O Order	M ID 1/1
M	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described 1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	M ID 1/1

Segment:

Position:

Loop:

Level:

Usage:

Max Use:

Purpose:

Semantic Notes:

PRF

Purchase Order Reference

050

HLMandatory

Detail

Mandatory

1

To provide reference to a specific purchase order

1PRF04 is the date assigned by the purchaser to purchase order.

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	PRF01	324	Purchase Order Number	M AN 10/10
Identifying number for Purchase Order assigned by the orderer/purchaser				
Walgreens Notes:				
SAP-originated Purchase Order numbers will have a length of 10 digits.				
Used	PRF04	373	Date	O DT 8/8
Date expressed as CCYYMMDD				
Walgreens Notes:				
This should be the Purchase Order date sent in the BEG05 of the 850 PO document.				

Segment:	HL Hierarchical Level - Tare
Position:	010
Loop:	HL Conditional
Level:	Detail
Usage:	Conditional
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Comments:	<ol style="list-style-type: none"> 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.

Walgreens Notes: Either the Tare (Pallet) loop or the Pack (Case) loop is required. Failure to send either the Pack or Tare level information will cause the ASN to fail in our back-end system, which will probably result in payment issues in the future.

Example

HL*3*1*T*1~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
M	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/1
			T Shipping Tare	
M	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described	M ID 1/1
			1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	

Segment: MAN Marks and Numbers

Position: 190

Loop: HL Conditional

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To indicate identifying marks and numbers for shipping containers

Semantic Notes: 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.

Walgreens Notes: A pallet-level GS1-128 label is mandatory and must include a unique SSCC18 number, which must match the SSCC18 number present in the MAN02 field, when the MAN01 qualifier is 'GM'.

Example:



Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MAN01	88	Marks and Numbers Qualifier	M ID 2/2
			Code specifying the application or source of Marks and Numbers (87)	
			GM SSCC-18 and Application Identifier	
M	MAN02	87	Marks and Numbers	M AN 20/20
			Marks and numbers used to identify a shipment or parts of a shipment	

Segment:	HL Hierarchical Level - Pack
Position:	010
Loop:	HL Conditional
Level:	Detail
Usage:	Conditional
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Comments:	<ol style="list-style-type: none"> 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.

Walgreens Notes: Either the Tare (Pallet) loop or the Pack (Case) loop is required. Failure to send either the Pack or Tare level information will cause the ASN to fail in our back-end system, which will probably result in payment issues in the future.

Example

HL*3*1*P*1~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
M	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure P Pack	M ID 1/1
M	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described 1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	M ID 1/1

Segment: MAN Marks and Numbers

Position: 190

Loop: HL Conditional

Level: Detail

Usage: Conditional

Max Use: >1

Purpose: To indicate identifying marks and numbers for shipping containers

Syntax Notes: 1 If either MAN04 or MAN05 is present, then the other is required.

Semantic Notes: 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.

Walgreens Notes: A pallet-level GS1-128 label is mandatory and must include a unique SSCC18 number, which must match the SSCC18 number present in the MAN02 field, when the MAN01 qualifier is 'GM'.

Example:



Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MAN01	88	Marks and Numbers Qualifier	M ID 2/2
			Code specifying the application or source of Marks and Numbers (87)	
			GM SSCC-18 and Application Identifier	
M	MAN02	87	Marks and Numbers	M AN 20/20
			Marks and numbers used to identify a shipment or parts of a shipment	
			Marks and numbers used to identify a shipment or parts of a shipment	

Segment:	HL Hierarchical Level - Item
Position:	010
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Comments:	<p>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.</p> <p>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.</p> <p>3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.</p> <p>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.</p> <p>5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.</p>
Example:	HL*4*1*1*0~

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
M	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure I Item	M ID 1/1
M	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described 0 No Subordinate HL Segment in This Hierarchical Structure.	M ID 1/1

Segment:	LIN Item Identification
Position:	020
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1000
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 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.
Walgreens Notes:	<p>The ordering number qualifier (LIN02) and ordering number (LIN03) must match the original ordering number qualifier (PO106) and ordering number (PO107) sent in the Purchase Order.</p> <p>Lot numbers and expiration dates are expected for all perishable items, including OTC products. Please supply the lot number in the appropriate LIN field and the expiration date in the DTM segment following the description.</p> <p>When the SAP system generates the Purchase Order, the SAP Article Number will always be sent in PO114/PO115 and the 6-digit WIC may also be sent in PO108/PO109. You may be required to send the SAP Article number on all return transactions in the future, so please plan accordingly.</p> <p>Example</p> <p>LIN*001*UK*10311917003624*IN*367839~</p>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Walgreens Notes: The user must send the PO line# in the LIN01.	M AN 1/4
M	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Walgreens Notes: This is the ordering number qualifier sent in the PO106 field of the Purchase Order. Please return what is sent in the Purchase Order. EN European Article Number (EAN) (2-5-5-1) UA U.P.C./EAN Case Code (2-5-5) Walgreens Notes: The UA qualifier is used ONLY for deals and assortments. UI U.P.C. Consumer Package Code (1-5-5) UK GTIN-14 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second	M ID 2/2

five digits are the item code, and the final digit is the check digit

Walgreens Notes:

The UK value is preferred in the SAP system and should be the primary item identifier value used in all return documents.

UP

U.P.C. Consumer Package Code (1-5-5-1)

VN

Vendor's (Seller's) Item Number

Walgreens Notes:

The VN qualifier is used ONLY for expense items.

M **LIN03** **234** **Product/Service ID** **M** **AN 1/14**

Identifying number for a product or service

Walgreens Notes:

This is the ordering number sent in the PO107 field of the Purchase Order.

Used **LIN04** **235** **Product/Service ID Qualifier** **X** **ID 2/2**

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

Walgreens Notes:

It is preferred that the 6-digit WIC be sent in LIN05, with "IN" as the identifier in LIN04.

EN

European Article Number (EAN) (2-5-5-1)

IN

Buyer's Item Number

LT

Lot Number

ND

National Drug Code (NDC)

UI

U.P.C. Consumer Package Code (1-5-5)

UK

GTIN-14

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

UP

U.P.C. Consumer Package Code (1-5-5-1)

Used **LIN05** **234** **Product/Service ID** **X** **AN 1/14**

Identifying number for a product or service

Used **LIN06** **235** **Product/Service ID Qualifier** **X** **ID 2/2**

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

Walgreens Notes:

If Lot Number is supplied (as expected for all perishable items), the expiration date must be supplied in the DTM segment following the description.

EN

European Article Number (EAN) (2-5-5-1)

IN

Buyer's Item Number

LT

Lot Number

ND

National Drug Code (NDC)

UI

U.P.C. Consumer Package Code (1-5-5)

UK

GTIN-14

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

			UP	U.P.C. Consumer Package Code (1-5-5-1)		
Used	LIN07	234	Product/Service ID		X	AN 1/14
			Identifying number for a product or service			
Used	LIN08	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			Walgreens Notes:			
			If Lot Number is supplied (as expected for all perishable items), the expiration date must be supplied in the DTM segment following the description.			
			EN	European Article Number (EAN) (2-5-5-1)		
			IN	Buyer's Item Number		
			LT	Lot Number		
			ND	National Drug Code (NDC)		
			OT	Internal Number		
			UI	U.P.C. Consumer Package Code (1-5-5)		
			UK	GTIN-14		
			A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit			
			UP	U.P.C. Consumer Package Code (1-5-5-1)		
Used	LIN09	234	Product/Service ID		X	AN 1/18
			Identifying number for a product or service			

Segment: SN1 **Item Detail (Shipment)**
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1000
Purpose: To specify line-item detail relative to shipment
Syntax Notes: 1 If either SN105 or SN106 is present, then the other is required.
Semantic Notes: 1 SN101 is the ship notice line-item identification.
Comments: 1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Used	SN101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Walgreens Notes: The user must send the PO line # in the LIN01. The PO line # optional in the SN101.	O AN 1/20
M	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set Walgreens Notes: Number of units shipped in this pallet or case.	M R 1/10
M	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 AS Assortment CA Case DE Deal EA Each Walgreens Notes: This is always a whole number and should never contain and decimal places.	M ID 2/2
Used	SN104	646	Quantity Shipped to Date Number of units shipped to date Walgreens Notes: If your system is able, please send number of units shipped to date for this PO. If not, please leave blank.	O R 1/15
Used	SN105	330	Quantity Ordered Quantity ordered Walgreens Notes: Reminder: You must populate SN106 with the appropriate UOM code if you are sending data in SN105 (original quantity).	O R 1/15
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 AS Assortment CA Case DE Deal EA Each	X ID 2/2
M	SN108	668	Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer AC Item Accepted and Shipped	M ID 2/2

BP	Item Accepted - Partial Shipment, Balance Backordered
ID	Item Deleted
IS	Item Accepted - Substitution Made

Segment:	PO4 Item Physical Details
Position:	060
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1000
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:	<ol style="list-style-type: none"> 1 If either PO402 or PO403 is present, then the other is required. 2 If PO405 is present, then PO406 is required. 3 If either PO406 or PO407 is present, then the other is required. 4 If PO410 is present, then PO413 is required. 5 If PO411 is present, then PO413 is required. 6 If PO412 is present, then PO413 is required. 7 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
Comments:	<ol style="list-style-type: none"> 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ". 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PO401	356	Pack The number of inner containers, or number of eaches if there are no inner containers, per outer container Walgreens Notes: The number of SKUs / eaches per case. If case contains inner packages, use Data Element 810 (PO4-14) to specify.	M N0 1/6
M	PO402	357	Size Size of supplier units in pack Walgreens Notes: Primary packaging size of each item or SKU.	M R 1/8
M	PO403	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 AS Assortment CA Case CT Carton DE Deal EA Each LB Pound OZ Ounce - Av	M ID 2/2
M	PO405	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/1
M	PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	M R 1/9
M	PO407	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound OZ Ounce - Av	M ID 2/2
Used	PO410	82	Length	O R 1/8

			Largest horizontal dimension of an object measured when the object is in the upright position	
			Walgreens Notes:	
			Dimensions should reference whatever is identified in the item loop.	
Used	PO411	189	Width	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			Walgreens Notes:	
			Dimensions should reference whatever is identified in the item loop.	
Used	PO412	65	Height	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
			Walgreens Notes:	
			Dimensions should reference whatever is identified in the item loop.	
Used	PO413	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CM Centimeter	
			IN Inch	
			MM Millimeter	
Used	PO414	810	Inner Pack	O N0 1/6
			The number of eaches per inner container	

Segment:

Position:

Loop:

Level:

Usage:

Max Use:

Purpose:

Syntax Notes:

Comments:

PID

Product/Item Description

070

HLMandatory

Detail

Mandatory

1000

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

1

If PID04 is present, then PID03 is required.

1

If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
M	PID05	352	Description	M AN 1/50
			A free-form description to clarify the related data elements and their content	

Segment:	DTM	Date/Time Reference - Expiration Date
Position:	200	
Loop:	HL	Mandatory
Level:	Detail	
Usage:	Conditional	
Max Use:	1000	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.	
Walgreens Notes:	If Lot Number is supplied (as expected for all perishable items), the expiration date must be supplied.	

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			036 Expiration	
			Date coverage expires	
M	DTM02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set Walgreens Notes: This value is the accumulation of the number of HL segments.	M N0 1/6
Used	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Walgreens Notes: This is the Hash total of the SN102.	O R 1/10
Used	CTT03	81	Weight Numeric value of weight	X R 1/10
Used	CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound OZ Ounce - Av	X ID 2/2

Segment: SE Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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

The below example is an ASN that contains multiple pallets for the same Purchase Order. The first pallet is a unitized pallet meaning that it contains one item. The second pallet is a mixed pallet and contains two separate items.

ST*856*361720003~
BSN*00*0066827450*20240410*082032*0001~

HL*1**S*1~

TD1*CTN*6***G*36*LB~

TD5**2*SCAC***CC~

REF*VR*0001105359~

REF*BM*396063494107~

REF*CN*396063494107~

DTM*011*20240422~

DTM*067*20240422~

N1*SF**1*000049377~

N4***60440~

N1*ST**92*ZD12~

HL*2*1*O*1~

PRF*4531826354***20240410~

HL*3*2*T*1~

MAN*GM*00100370006779259529~

HL*4*3*I*0~

LIN*001*UK*00123456789123*IN*123456~

SN1**480*CA*****AC~

PID*F*****ITEM DESCRIP 1~

Red outline contains structure for single item (unitized pallet)

HL*5*2*T*1~

MAN*GM*00804070004317392974~

HL*6*5*I*0~

LIN*002*UK*00987654321223*IN*654321~

SN1**192*CA*****AC~

PID*F*****ITEM DESCRIP 2~

HL*7*5*I*0~

LIN*003*UK*00456123789654*IN*246246~

SN1**228*CA*****AC~

PID*F*****ITEM DESCRIP 3~

Blue outline contains structure for mixed item pallet

The below example is an ASN that is used for loose shipped cases, such as those shipped via FedEx, UPS, or other carrier.

ST*856*361720003~
BSN*00*0066827450*20240410*082032*0001~
HL*1*S*1~
TD1*CTN*6***G*36*LB~
REF*VR*0001105359~
REF*BM*396063494107~
REF*CN*396063494107~
DTM*011*20240422~
DTM*067*20240422~
N1*SF*1*000049377~
N4***60440~
N1*ST**92*ZD12~
HL*2*I*O*1~
PRF*4531826354***20240410~
HL*3*2*P*1~
MAN*GM*00123410025715032488~
HL*4*3*I*0~
LIN* LIN*001*UK*00123456789123*IN*123456~
SN1**10*CA*51.48*10*CA**AC~
PID*F*****ITEM DESCRIPTION~
HL*4*2*P*1~
MAN*GM*00999910025715032487~
HL*6*4*I*0~
LIN*002* UK*00123456789123*IN*123456~
SN1**10*CA*51.48*10*CA**AC~
PID*F*****ITEM DESCRIPTION~
HL*7*2*P*1~
MAN*GM*00888810025715032486~
HL*8*7*I*0~
LIN*003* UK*00123456789123*IN*123456~
SN1**10*CA*51.48*10*CA**AC~
PID*F*****ITEM DESCRIPTION~