Walgreens EDI 856 Advance Ship Notice User Guide

X12 - 4010

856 – Advance Ship Notice/Manifest

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

Walgreen's benefits include:
- advanced notification of shipments from suppliers
- increased efficiencies and ease in the receipt of supplier goods at both the DC locations as well as at the stores
- notification from vendors on what goods are being shipped, subbed, or deleted, and in what quantities
- increased planning capabilities for Category Managers

Vendor benefits include:
- increased efficiencies and ease in the receipt of supplier goods at both the DC locations as well as at the stores
- better order placement from Walgreens purchasing agents
- faster product movement from DC to store

The 856 is an incoming document to Walgreens. The information contained on the 856 should include product information, the shipped quantities of those items, reference numbers and the date of delivery. The ASN flows through the EDI translator and goes through the edit, split and mapping process as it is creating both backup files and production level files, as well as reports for daily and periodic review. Once the data completes the EDI portion of its processing, it is routed to several different systems for various processing and use.

- PO&T system for order updates on shipped quantities. The Walgreen Category Managers use that information to better plan their promotions and future purchases
- Walgreens distribution center systems for space and item procurement planning
- store AS/400 systems for shipped quantity updates and for quicker, easier receiving

Note: Segments highlighted in RED have been changed or added since the last release. Some optional segments within the published standards are required by Walgreens, and are designated as mandatory. Please review all listed requirements to ensure that your ASN will be processed through the Walgreens system.

856 Ship Notice/Manifest

<div align="right">Functional Group ID=SH</div>

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Heading:

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		
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	5		
12	150	REF	Reference Identification - Vendor Number	M	5		
13	150	REF	Reference Identification - Bill of Lading or Load Number	M	5		
14	200	DTM	Date/Time Reference - Shipped Date	M	2		
15	200	DTM	Date/Time Reference - Delivery Date	M	2		
			LOOP ID - N1			3	
16	220	N1	Name - Ship To	M	1		
			LOOP ID - N1			3	
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	M	1	

			LOOP ID - HL			500
25	010	HL	Hierarchical Level - Item	M	1	
26	020	LIN	Item Identification	M	500	
28	030	SN1	Item Detail (Shipment)	M	500	
29	060	PO4	Item Physical Details	O	500	
31	070	PID	Product/Item Description	M	500	
32	200	DTM	Date/Time Reference - Expiration Date	C	500	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
33	010	CTT	Transaction Totals	M	1		n1
34	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.

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			856 Ship Notice/Manifest		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment: **BSN** Beginning Segment for Ship Notice

Position:	020
Loop:	
Level:	Heading
Usage:	**Mandatory**
Max Use:	1
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	BSN01	353	**Transaction Set Purpose Code**	M	ID 2/2

Code identifying purpose of transaction set

> When sending a code of '00' in the BSN01, the BSN02 must be unique. The code of '05' is used when sending a corrected ASN with the same BSN02 as previously transmitted.

	00		Original	
	05		Replace	

	Ref. Des.	Data Element	Name		Attributes
M	BSN02	396	**Shipment Identification**	M	AN 2/30

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

> Note: This number cannot contain dashes, spaces, or any other special characters.

	Ref. Des.	Data Element	Name		Attributes
M	BSN03	373	**Date**	M	DT 8/8

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name		Attributes
M	BSN04	337	**Time**	M	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)

	Ref. Des.	Data Element	Name		Attributes
M	BSN05	1005	**Hierarchical Structure Code**	M	ID 4/4

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	

	Ref. Des.	Data Element	Name		Attributes
M	BSN06	640	**Transaction Type Code**	M	ID 2/2

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

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:

1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
   The HL segment defines a top-down/left-right ordered structure.

2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/1
			Code defining the characteristic of a level in a hierarchical structure		
			S Shipment		
	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			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.		

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	TD101	103	**Packaging Code**	M	AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

    CAS   Case

    CTN   Carton

    PLT   Pallet

M	TD102	80	**Lading Quantity**	M	N0 1/7

Number of units (pieces) of the lading commodity

	TD106	187	**Weight Qualifier**	O	ID 1/1

Code defining the type of weight

    G   Gross Weight

	TD107	81	**Weight**	X	R 1/10

Numeric value of weight

	TD108	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

    LB   Pound

			Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)

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
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

	Ref. Des.	Data Element	Name	Attributes	
M	TD502	66	**Identification Code Qualifier**	**M**	**ID 1/1**

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

    2   Standard Carrier Alpha Code (SCAC)

	Ref. Des.	Data Element	Name	Attributes	
M	TD503	67	**Identification Code**	**M**	**AN 3/4**

Code identifying a party or other code

> 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.

	Ref. Des.	Data Element	Name	Attributes	
M	TD506	368	**Shipment/Order Status Code**	**M**	**ID 2/2**

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

> 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

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

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD301	**40**	**Equipment Description Code**	**X**	**ID 2/2**

Code identifying type of equipment used for shipment

    TL   Trailer (not otherwise specified)

Ref. Des.	Data Element	Name	Attributes	
TD302	**206**	**Equipment Initial**	**O**	**AN 1/4**

Prefix or alphabetic part of an equipment unit's identifying number

Ref. Des.	Data Element	Name	Attributes	
TD303	**207**	**Equipment Number**	**X**	**AN 1/10**

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Segment: **REF** Reference Identification - Freight Bill or Carrier PRO Number

Position:	150
Loop:	HL Mandatory
Level:	Detail
Usage:	**Mandatory**
Max Use:	5
Purpose:	To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/2

Code qualifying the Reference Identification

    CN   Carrier's Reference Number (PRO/Invoice)

    FR   Freight Bill Number

	Ref. Des.	Data Element	Name	Attributes
M	REF02	127	**Reference Identification**	M AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

> If your own truck is used for this shipment, you must send the invoice number here.

Segment:	**REF** Reference Identification - Vendor Number			

Position: 150
Loop: HL   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 5
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/2
			Code qualifying the Reference Identification		
			VR Vendor ID Number		
M	REF02	127	**Reference Identification**	M	AN 6/6
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

> This field must contain your 6-digit Walgreens Marketing Vendor Number.
> Note: This is NOT the same as your 6-digit Walgreens Accounts Payable Number.

| | Segment: | **REF** Reference Identification - Bill of Lading or Load Number |

Segment: **REF** Reference Identification - Bill of Lading or Load Number

Position: 150
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 5
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/2

Code qualifying the Reference Identification

> 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.

		BM	Bill of Lading Number	
		LO	Load Planning Number	
M	REF02	127	**Reference Identification**	M AN 1/30

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

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

   011   Shipped

	Ref. Des.	Data Element	Name	Attributes	
M	DTM02	373	**Date**	M	**DT 8/8**

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name	Attributes	
	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
Notes:

> Your 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			
	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
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

	Ref. Des.	Data Element	Name		Attributes
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 1/1**

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

M	N104	67	**Identification Code**	M	**AN 13/13**

Code identifying a party or other code

The DUNS number is specified as '008965063W###'. where '###' is the 3-digit Walgreens Distribution Center to which you are shipping.

A current list of DC numbers is available from our SupplierNet website.

Segment:	**N1** Name - Ship From			

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
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.

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
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

> The DUNS number for your shipping facility must be provided.

Segment: **N4** **Geographic Location - Ship From**

Position: 250
Loop: N1   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N403	116	Postal Code	M ID 2/12

Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

			Segment:	**HL** Hierarchical Level - Order

Segment: **HL** Hierarchical Level - Order

Position: 010
Loop: HL   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 500
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Comments:
1   The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2   HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3   HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4   HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5   HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/1
			Code defining the characteristic of a level in a hierarchical structure		
			O Order		
	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			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.		

Segment: # PRF Purchase Order Reference

Position: 050
Loop: HL   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
M PRF01	324	**Purchase Order Number**	M	**AN 8/8**

Identifying number for Purchase Order assigned by the orderer/purchaser

This field must contain the Walgreens 8-digit Purchase Order number.

PRF04	373	**Date**	O	**DT 8/8**

Date expressed as CCYYMMDD

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:
1   The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
    The HL segment defines a top-down/left-right ordered structure.
2   HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3   HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4   HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5   HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

Note: Either the Tare loop or the Pack loop is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
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			Code defining the characteristic of a level in a hierarchical structure		
			T Shipping Tare		
	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			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.		

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
Notes:	

> When shipping pallets containing all identical products to Walgreens Distribution Centers, individual SCC14 labels are not required for each case present. A pallet-level UCC128 is however mandatory, with a unique SSCC18 number, which must match the SSCC18 number present in the MAN02 field, when the MAN01 qualifier is 'GM'.

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 18/20
			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:
1   The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
    The HL segment defines a top-down/left-right ordered structure.
2   HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3   HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4   HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5   HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

Note: Either the Tare loop or the Pack loop is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
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			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/1
			Code defining the characteristic of a level in a hierarchical structure		
			P Pack		
	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			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.		

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

Notes:

> When shipping mixed pallets to Walgreens Distribution Centers, it is required that each carton is labeled with its appropriate SCC14 number, which must match the SCC14 number present in the MAN02 field, when the MAN01 qualifier is 'UC'.
>
> Note: The pallet-level UCC128 label is still required for mixed pallets.

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		
			UC U.P.C. Shipping Container Code		
M	MAN02	87	**Marks and Numbers**	M	AN 14/20
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN04	88	**Marks and Numbers Qualifier**	X	ID 2/2
			Code specifying the application or source of Marks and Numbers (87)		
			GM SSCC-18 and Application Identifier		
			UC U.P.C. Shipping Container Code		
	MAN05	87	**Marks and Numbers**	X	AN 14/20
			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:

1   The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.

2   HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3   HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4   HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5   HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

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

Segment: **LIN** Item Identification

Position:	020
Loop:	HL Mandatory
Level:	Detail
Usage:	**Mandatory**
Max Use:	500
Purpose:	To specify basic item identification data
Notes:	

> 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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	LIN01	350	**Assigned Identification**	O	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02	235	**Product/Service ID Qualifier**	**M**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

> Note: This is the ordering number qualifier.

	EN	European Article Number (EAN) (2-5-5-1)		
	ND	National Drug Code (NDC)		
	UI	U.P.C. Consumer Package Code (1-5-5)		
	UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)		

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)		

M	LIN03	234	**Product/Service ID**	**M**	**AN 1/14**
			Identifying number for a product or service		

> Note: This is the ordering number.

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

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)	

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

Identifying number for a product or service

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)

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

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)

LIN07   **234**   **Product/Service ID**   **X**   **AN 1/14**

Identifying number for a product or service

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)

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

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)

LIN09   **234**   **Product/Service ID**   **X**   **AN 1/14**

Identifying number for a product or service

Segment: # SN1 Item Detail (Shipment)

Position:	030
Loop:	HL Mandatory
Level:	Detail
Usage:	**Mandatory**
Max Use:	500
Purpose:	To specify line-item detail relative to shipment
Comments:	**1** SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

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

    AS   Assortment
    CA   Case
    EA   Each

	Ref. Des.	Data Element	Name		Attributes
	SN104	646	Quantity Shipped to Date	O	R 1/15
			Number of units shipped to date		
	SN105	330	Quantity Ordered	X	R 1/15
			Quantity ordered		
	SN106	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

    AS   Assortment
    CA   Case
    EA   Each

	Ref. Des.	Data Element	Name		Attributes
M	SN108	668	Line Item Status Code	M	ID 2/2
			Code specifying the action taken by the seller on a line item requested by the buyer		

    AC   Item Accepted and Shipped
    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:	500
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Comments:	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

	Ref. Des.	Data Element	Name		Attributes
M	PO401	356	**Pack**	M	**N0 1/6**
			The number of inner containers, or number of eaches if there are no inner containers, per outer container		
M	PO402	357	**Size**	M	**R 1/8**
			Size of supplier units in pack		
M	PO403	355	**Unit or Basis for Measurement Code**	M	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

      AS   Assortment
      CA   Case
      CT   Carton
      EA   Each
      LB   Pound
      OZ   Ounce - Av

	Ref. Des.	Data Element	Name		Attributes
	PO405	187	**Weight Qualifier**	O	**ID 1/1**
			Code defining the type of weight		

      G   Gross Weight

	Ref. Des.	Data Element	Name		Attributes
	PO406	384	**Gross Weight per Pack**	X	**R 1/9**
			Numeric value of gross weight per pack		
	PO407	355	**Unit or Basis for Measurement Code**	X	**ID 2/2**
			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

	Ref. Des.	Data Element	Name		Attributes
	PO410	82	**Length**	X	**R 1/8**
			Largest horizontal dimension of an object measured when the object is in the upright position		
	PO411	189	**Width**	X	**R 1/8**
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
	PO412	65	**Height**	X	**R 1/8**
			Vertical dimension of an object measured when the object is in the upright position		

PO413   **355**   **Unit or Basis for Measurement Code**   **X   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

PO414   **810**   **Inner Pack**   **O   N0 1/6**

The number of eaches per inner container

Segment: # PID Product/Item Description

Position: 070
Loop: HL   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 500
Purpose: To describe a product or process in coded or free-form format

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: 500
Purpose: To specify pertinent dates and times

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

	Ref. Des.	Data Element	Name		Attributes
M	DTM02	373	**Date**	M	**DT 8/8**

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name		Attributes
	DTM03	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

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
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	CTT01	354	**Number of Line Items**	**M**	**N0 1/6**
			Total number of line items in the transaction set		
	CTT02	347	**Hash Total**	**O**	**R 1/10**
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
	CTT03	81	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
	CTT04	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			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

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

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