Walgreens Advance Ship Notice (DC) 856

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

Please note:
Segments highlighted in RED have been changed or added from the last release. Please review them to ensure that your ASN will be processed through the Walgreens system.

856 Ship Notice/Manifest

Functional Group ID=SH

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:

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

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Shipment	M	1		
M	110	TD1	Carrier Details (Quantity and Weight)	M	1		
M	120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		
	130	TD3	Carrier Details (Equipment) - Trailer Number	O	12		
M	150	REF	Reference Identification - Freight Bill or Carrier PRO number	M	>1		
M	150	REF	Reference Identification - Vendor Number	M	>1		
M	150	REF	Reference Identification - Bill of Lading or Load Number	M	>1		
M	200	DTM	Date/Time Reference - Ship Date	M	1		
D	200	DTM	Date/Time Reference - Scheduled Delivery Date	C	1		
			LOOP ID - N1			1	
M	220	N1	Name - Ship To	M	1		
			LOOP ID - N1			1	
M	220	N1	Name - Ship From	M	1		
M	250	N4	Geographic Location	M	1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Order	M	1		
M	050	PRF	Purchase Order Reference	M	1		
			LOOP ID - HL			200000	
	010	HL	Hierarchical Level - Tare	C	1		
	190	MAN	Marks and Numbers	C	>1		

			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Pack	C	1		
M	190	MAN	Marks and Numbers	C	>1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Item	M	1		c1
M	020	LIN	Item Identification	M	1		
M	030	SN1	Item Detail (Shipment)	M	1		
	060	PO4	Item Physical Details	O	1		
M	070	PID	Product/Item Description	M	200		
	200	DTM	Date/Time Reference -Item Expiration Date	C	10		

Summary:

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

User Note 1:

WALGREENS CONTACTS:

EDI Services Staff: edi.support@walgreens.com

EDI IDs TO BE USED FOR TESTING:
Walgreens qualifier to be used in the ISA for testing is 'ZZ'.
Walgreens ID to be used in both the ISA and GS for testing is '008965063T'.

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

	Ref. Des.	Data Element	Name	Attributes
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 **User Notes:** This number must be unique. Must not be equal to the Bill of Lading or Freight Bill number or Purchase Order number.	**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
Syntax Notes: **1** If BSN07 is present, then BSN06 is required.
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

	Ref. Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set The "Replace" code may be used when correcting an ASN and re-sending the ASN data 00 Original 05 Replace	**M ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment Please Note: Do not use dashes with this number.	**M AN 2/30**
M	**BSN03**	**373**	**Shipment Notice Date** Date expressed as CCYYMMDD	**M DT 8/8**
M	**BSN04**	**337**	**Shipment Notice 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:
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** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure USER Notes: Value = "1"	**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 1/2**
	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.	**O 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.

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		
M	**TD102**	**80**	**Lading Quantity**	**M**	**N0 1/7**
			Number of units (pieces) of the lading commodity		
	TD106	**187**	**Weight Qualifier**	**O**	**ID 1/2**
			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)**
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.

Semantic Notes: **1** TD515 is the country where the service is to be performed.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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 1/2**
M	**TD503**	**67**	**Identification Code** Code identifying a party or other code This number represents the 4 character SCAC . If the vendor uses their own truck, send a value of TRCK in this element.	**M AN 2/80**
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 CC Shipment Complete = Based on Purchase Order PR Partial Shipment = Balance to Come in reference to Purchase Order	**M ID 2/2**

Segment: **TD3** **Carrier Details (Equipment) - Trailer Number**
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: **Optional**
Max Use: 12
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.
3 If TD304 is present, then TD305 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD301	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment TL Trailer (not otherwise specified)	**X**	**ID 2/2**
TD302	**206**	**Equipment Initial - Trailer Number** Prefix or alphabetic part of an equipment unit's identifying number	**O**	**AN 1/4**
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: >1
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification CN Carrier's Reference Number (PRO/Invoice) FR Freight Bill Number	**M ID 2/3**
M	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Walgreens will only use the first 15 digits of the number placed in this position. * If the vendor is shipping using company truck, use the Invoice number.	**M AN 1/20**

Segment: **REF** **Reference Identification - Vendor Number**
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification VR Vendor ID Number	**M ID 2/3**
M	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Walgreens 6 digit Marketing Vendor Number	**M AN 1/6**

Segment: **REF** **Reference Identification - Bill of Lading OR Load Number**
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BM Bill of Lading Number LO Load Planning Number	**M ID 2/3**
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**

For Bill of Lading: Walgreens Distribution Center will only use the first 20 digits of this number.

The "Load Number" is the number assigned by Walgreens when a Delivery Appointment is scheduled.

* Either the Bill of Lading or the Load Number must be sent.
* If the Load Number is provided, then the Delivery Date Must also be provided.

Segment: **DTM** **Date/Time Reference - Ship Date**
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 1
Purpose: To specify pertinent dates and times

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped	**M**	**ID 3/3**
M	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD Shipment date (DTM02) should be "Less Than" or "Equal To" the Date Stamp in the BSN03.	**M**	**DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time	**O**	**TM 4/6**

Segment: **DTM** **Date/Time Reference - Scheduled Delivery Date**
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: **Conditional (Dependent)**
Max Use: 1
Purpose: To specify pertinent dates and times

Notes:

If Load Number is Provided (REF) the Scheduled Delivery Date is Required.

* Scheduled Delivery Date should be greater than or equal to the Ship Date.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 067 Current Schedule Delivery	**M**	**ID 3/3**
M	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**M**	**DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time	**O**	**TM 4/6**

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual ST Ship To	**M ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** 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 ID 1/2**
M	**N104**	**67**	**Identification Code** Code identifying a party or other code Value = '008965063W###' where '###' is the Walgreens Distribution Center	**M AN 13/13**

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SF Ship From	**M**	**ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet	**M**	**ID 1/2**
M	**N104**	**67**	**Identification Code** Code identifying a party or other code	**M**	**AN 2/9**

Segment: **N4** **Geographic Location**
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** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**M ID 5/9**

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:
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		
			Increment by 1 for each HL in the Shipment.		
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		
			Order is subordinate to the Shipment		
M	**HL03**	**735**	**Hierarchical Level Code**	**M**	**ID 1/2**
			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

Semantic Notes: **1** PRF04 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** Identifying number for Purchase Order assigned by the orderer/purchaser Walgreens Purchase Order Number	**M**	**AN 1/8**
	PRF04	**373**	**Date** Date expressed as CCYYMMDD	**O**	**DT 8/8**

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: Either the Tare or the Pack Level Loop is Required.

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 Increment by 1 for each HL in the Shipment.	**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 Tare (Pallet) is subordinate to the Order	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure T Shipping Tare	**M ID 1/2**
	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.	**O 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.
2 If MAN06 is present, then MAN05 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.
2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Notes: This Segment is Required by Walgreens if sending the HL - Tare Loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MAN01**	**88**	**Marks and Numbers Qualifier**	**M ID 1/2**
			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 1/20**
			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: Either the Pack or the Tare Level Loop is Required.

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 1/2**
	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.	**O**	**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.
2 If MAN06 is present, then MAN05 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.
2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Notes:

This Segment is Required by Walgreens if sending the HL - Pack Loop.

If shipping Pharmaceutical Products to the Walgreens Distribution Center, it is Required that the Carton be labeled with the UCC128 label. The UCC128 should contain the SSCC18 barcode.

This barcode should be identified in the MAN Segment at the Pack Loop. Each Carton should have a UCC128 label with a unique SSCC18 number.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**MAN01**	**88**	**Marks and Numbers Qualifier**		**M**	**ID 1/2**
			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 1/20**
			Marks and numbers used to identify a shipment or parts of a shipment			
	MAN04	**88**	**Marks and Numbers Qualifier**		**X**	**ID 1/2**
			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 1/20**
			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 numb er 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** 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 1/2**
	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.	**O**	**ID 1/1**

Segment: **LIN** **Item Identification**
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
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.

Notes: If shipping Pharmaceutical Products to the Walgreens Distribution Center, the "Lot Number" is Required.

If sending the "Lot Number", the Expiration Date is required in the DTM Segment in the HL - Item Loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	LIN01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**AN 1/20**
M	**LIN02**	**235**	**Ordering ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN European Article Number (EAN) (2-5-5-1) ND National Drug Code (NDC) UI U.P.C. Consumer Package Code (1-5-5) UP U.P.C. Consumer Package Code (1-5-5-1)	**M**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 10/12**

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
	If Lot Number is Sent, the DTM (in the HL - Item Loop) MUST contain the Expiration Date.
ND	National Drug Code (NDC)
UI	U.P.C. Consumer Package Code (1-5-5)
UP	U.P.C. Consumer Package Code (1-5-5-1)

LIN05	**234**	**Product/Service ID**	**X**	**AN 6/12**

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
	If Lot Number is Sent, the DTM (in the HL - Item Loop) MUST contain the Expiration Date.
ND	National Drug Code (NDC)
UI	U.P.C. Consumer Package Code (1-5-5)
UP	U.P.C. Consumer Package Code (1-5-5-1)

LIN07	**234**	**Product/Service ID**	**X**	**AN 6/12**

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
	If Lot Number is Sent, the DTM (in the HL - Item Loop) MUST contain the Expiration Date.
ND	National Drug Code (NDC)
UI	U.P.C. Consumer Package Code (1-5-5)
UP	U.P.C. Consumer Package Code (1-5-5-1)

LIN09	**234**	**Product/Service ID**	**X**	**AN 6/12**

Identifying number for a product or service

Segment: **SN1** **Item Detail (Shipment)**
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 1
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

	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		
	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		
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: 1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:
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 either PO408 or PO409 is present, then the other is required.
5 If PO410 is present, then PO413 is required.
6 If PO411 is present, then PO413 is required.
7 If PO412 is present, then PO413 is required.
8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

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** The number of inner containers, or number of eaches if there are no inner containers, per outer container	**M**	**N0 1/6**
M	**PO402**	**357**	**Size** Size of supplier units in pack	**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 EA Each LB Pound OZ Ounce - Av	**M**	**ID 2/2**
	PO405	**187**	**Weight Qualifier** Code defining the type of weight G Gross Weight	**O**	**ID 1/2**
	PO406	**384**	**Gross Weight per Pack** Numeric value of gross weight per pack	**X**	**R 1/9**
	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	**X**	**ID 2/2**

PO410	**82**	**Length** Largest horizontal dimension of an object measured when the object is in the upright position	**X**	**R 1/8**
PO411	**189**	**Width** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	**X**	**R 1/8**
PO412	**65**	**Height** Vertical dimension of an object measured when the object is in the upright position	**X**	**R 1/8**
PO414	**810**	**Inner Pack** The number of eaches per inner container	**O**	**N0 1/6**

Segment: **PID** **Product/Item Description**
Position: 070
Loop: HL Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes: **1** If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.

Semantic Notes: **1** Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.

Data Element Summary

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

Segment: **DTM** **Date/Time Reference -Item Expiration Date**
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: **Conditional**
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.

Comments:

If the "Lot Number" is sent in the LIN Segment, the "Expiration Date" is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 036 Expiration Date coverage expires	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD	**X**	**DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time	**X**	**TM 4/8**

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.
2 If either CTT05 or CTT06 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

	Ref. Des.	Data Element	Name	Attributes	
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**
	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. 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.	**O**	**R 1/10**
	CTT03	**81**	**Weight** Numeric value of weight	**X**	**R 1/10**
	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

	Ref. Des.	Data Element	Name	Attributes
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**