

# 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. Please note **the Product Qualifier code used in the 856 transaction must match the Qualifier Code used in the EDI 850 transaction sent by AmerisourceBergen (ABC).**

## Notes:

Elements noted as "Must Use" are required by ABC, whether the X12 Guidelines has them marked Conditional (C) or Optional (O) in the Attributes column.

## Heading:

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

## Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL			200000	
	010	HL	Hierarchical Level - Shipment Level	M	1		c1
	110	TD1	Carrier Details (Quantity and Weight)	O	20		
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	130	TD3	Carrier Details (Equipment)	O	12		
	150	REF	Reference Identification	O	>1		
	200	DTM	Shipped Date	M	10		
	200	DTM	Delivery Date	M	10		
			LOOP ID - N1			200	
	220	N1	Name - Ship To	M	1		
	240	N3	Address Information	O	2		
	250	N4	Geographic Location	O	1		
	260	REF	Reference Identification	O	12		
			LOOP ID - N1			1	

300	N1	Name - Buyer	M	1
240	N3	Address Information	O	2
250	N4	Geographic Location	O	1
260	REF	Reference Identification	O	12
LOOP ID - N1				1
400	N1	Name - Ship From	M	1
240	N3	Address Information	O	2
250	N4	Geographic Location	O	1
260	REF	Reference Identification	O	12
151	PER	Administrative Communications Contact	O	3
LOOP ID - N1				1
400	N1	Name - Seller	M	1
400	N3	Address Information	O	1
400	N4	Geographic Location	O	1
260	REF	Reference Identification	O	12
330	YNQ	DSCSA Transaction Statement	M	1
330	YNQ	Direct Purchase Statement	O	1
LOOP ID - HL				1
010	HL	Hierarchical Level -Order Level	M	1
050	PRF	Purchase Order Reference	M	1
150	REF	Reference Identification	O	>1
200	DTM	Date/Time Reference	O	10
LOOP ID - HL				200000
390	HL	Hierarchical Level - Tare Level	O	1
190	MAN	Marks and Numbers	O	>1
LOOP ID - HL				200000
015	HL	Hierarchical Level - Container (Pack) Level	O	1
020	LIN	Item Identification	O	1
060	PO4	Item Physical Details	O	1
190	MAN	Marks and Numbers	O	>1
190	MAN	Marks and Numbers	O	>1
200	DTM	Date/Time Reference	M	10
LOOP ID - HL				200000
390	HL	Hierarchical Level - Item Level	M	1
020	LIN	Item Identification	M	1
030	SN1	Item Detail (Shipment)	O	1
070	PID	Product/Item Description	O	200
150	REF	Reference Identification	O	>1
200	DTM	Lot Expiration Date	M	10
155	N1	Name	O	1
264	N3	Address Information	O	1
282	N4	Geographic Location	O	1
150	REF	Reference Identification	O	>1
330	YNQ	Yes/No Question	O	1

## Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	010	CTT	Transaction Totals	O	1		n1
	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

**Syntax Notes:**

**Semantic Notes:** 1The 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).

**Comments:**

**Notes:** Example: ST|856|0123~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</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

Syntax Notes: 1If BSN07 is present, then BSN06 is required.

Semantic Notes: 1BSN03 is the date the shipment transaction set is created.

2BSN04 is the time the shipment transaction set is created.

3BSN06 is limited to shipment related codes.

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

Notes: Example: BSN|00|5177699-000536903|20140504|1100|0001|AS~

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	BSN01	353 Transaction Set Purpose Code Code identifying purpose of transaction set 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 Vendor Bill of Lading Number or other Shipment Identifier	M AN 2/30
M	BSN03	373 Date Date expressed as CCYYMMDD Document Create 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) Document Create Time. Strongly suggest HHMM only.	M TM 4/8
	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 0004 Shipment, Order, Item	O ID 4/4
	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 DO Drop Shipment Invoice Used to indicate a drop ship notice, not a drop ship invoice	C ID 2/2

**Segment: HL Hierarchical Level - Shipment Level**

**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

**Syntax Notes:**

**Semantic Notes:**

- 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:** Example: HL|1||S|1~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element 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 '1'	M AN 1/12
	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to '0'	O 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
Must Use	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:**Optional (Recommended)

**Max Use:** 20

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

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

**Semantic Notes:**

**Comments:**

**Notes:** Example: TD1|PLT|1||||G|25|LB~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
	<b>TD101</b>	<b>103 Packaging Code</b> 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	<b>O AN 3/5</b>
	<b>TD102</b>	<b>80 Lading Quantity</b> Number of units (pieces) of the lading commodity	<b>C N0 1/7</b>
	<b>TD106</b>	<b>187 Weight Qualifier</b> Code defining the type of weight G Gross Weight	<b>O ID 1/2</b>
	<b>TD107</b>	<b>81 Weight</b> Numeric value of weight	<b>C R 1/10</b>
	<b>TD108</b>	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	<b>C ID 2/2</b>

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

**Position:** 120

**Loop:**HL Mandatory

**Level:**Detail

**Usage:**Optional (Recommended)

**Max Use:** 12

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

**Syntax Notes:** 1At least one of TD502 TD504 TD505 TD506 or TD512 is required.

2If TD502 is present, then TD503 is required.

3If TD507 is present, then TD508 is required.

4If TD510 is present, then TD511 is required.

5If TD513 is present, then TD512 is required.

6If TD514 is present, then TD513 is required.

7If TD515 is present, then TD512 is required.

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

**Comments:** 1When 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.

**Notes:** Example: TD5||2|UPSC|M||CC~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement O Origin Carrier (Air, Motor, or Ocean)	O ID 1/2
TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	C ID 1/2
TD503	67	<b>Identification Code</b> Code identifying a party or other code	C AN 2/80
TD504	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment A Air AE Air Express H Customer Pickup M Motor (Common Carrier) R Rail S Ocean SR Supplier Truck X Intermodal (Piggyback)	C ID 1/2
TD505	387	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity Carrier Name	C AN 1/35
TD506	368	<b>Shipment/Order Status Code</b> 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	C ID 2/2



CC  
PR

Shipment Complete on (Date)  
Partial Shipment

**Segment: TD3 Carrier Details (Equipment)**

**Position:** 130

**Loop:**HL Mandatory

**Level:**Detail

**Usage:**Optional (Recommended)

**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.
  - 2If TD302 is present, then TD303 is required.
  - 3If TD304 is present, then TD305 is required.
  - 4If either TD305 or TD306 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** Example: TD3|TL||123456~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
	TD301	40 <b>Equipment Description Code</b> Code identifying type of equipment used for shipment CN Container RR Rail Car TL Trailer (not otherwise specified) VE Vessel, Ocean	C ID 2/2
	TD302	206 <b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
	TD303	207 <b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	C AN 1/10

Segment: **REF** Reference Identification

Position: 150

Loop: HL Mandatory

Level: Detail

Usage: Optional (Must Use)

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Example: REF|BM|000504864~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		2I Tracking Number	
		BM Bill of Lading Number	
		CN Carrier's Reference Number (PRO/Invoice)	
		MB Master Bill of Lading	
		SN Seal Number	
Must Use	REF02	127 Reference Identification	C AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment: DTM Shipped Date**

**Position:** 200

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 10

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

**Syntax Notes:** 1At least one of DTM02 DTM03 or DTM05 is required.

2If DTM04 is present, then DTM03 is required.

3If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

ABC requires the DTM|011 sent on all ASNs.

Example: DTM|011|20140604|0830|ED~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
Must Use	DTM01	374 <b>Date/Time Qualifier</b>	M ID 3/3
		Code specifying type of date or time, or both date and time	
		011 Shipped	
Must Use	DTM02	373 <b>Date</b>	C DT 8/8
		Date expressed as CCYYMMDD	
Must Use	DTM03	337 <b>Time</b>	C 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)	
Must Use	DTM04	623 <b>Time Code</b>	C ID 2/2

Code identifying the time zone. Preferred time codes are....

- CD-Central Daylight Time
- CS-Central Standard Time
- CT-Central Time
- ED-Eastern Daylight
- ES-Eastern Standard Time
- ET-Eastern Time
- GM-Greenwich Mean time
- LT-Local Time
- MD-Mountain Daylight Time
- MS-Mountain Standard Time
- MT-Mountain Time
- PD-Pacific Daylight time
- PS-Pacific Standard Time
- PT-Pacific Time

**Segment: DTM Delivery Date**

**Position:** 200

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 10

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

**Syntax Notes:** 1At least one of DTM02 DTM03 or DTM05 is required.

2If DTM04 is present, then DTM03 is required.

3If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

ABC requires the DTM|017 or DTM|067 sent on all ASNs.

Example: DTM|017|20140606|0945|CT~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
M	DTM01	374 <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 017 Estimated Delivery 067 Current Schedule Delivery	M ID 3/3
Must Use	DTM02	373 <b>Date</b> Date expressed as CCYYMMDD	C DT 8/8
Must Use	DTM03	337 <b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C TM 4/8
Must Use	DTM04	623 <b>Time Code</b> Code identifying the time zone. Preferred time codes are....	C ID 2/2

- CD-Central Daylight Time
- CS-Central Standard Time
- CT-Central Time
- ED-Eastern Daylight
- ES-Eastern Standard Time
- ET-Eastern Time
- GM-Greenwich Mean time
- LT-Local Time
- MD-Mountain Daylight Time
- MS-Mountain Standard Time
- MT-Mountain Time
- PD-Pacific Daylight time
- PS-Pacific Standard Time
- PT-Pacific Time

**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.

**Semantic Notes:**

**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.

2 N105 and N106 further define the type of entity in N101.

**Notes:** Example: N1|ST|ABC KANSAS CITY |11| RA0326276~

#### Data Element Summary

<u>Attribute</u>	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
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
Must Use	N102	93 Name - Ship To Free-form name AmerisourceBergen facility name	C AN 1/60
Must Use	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 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 21 Health Industry Number (HIN) UL GLN/UCC/EAN Location Code	C ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code AmerisourceBergen prefers the DEA Number be used. If not possible please use HIN, GLN or DUN. Please request us for the identifier's list for all the distribution centers if you don't have one.	C AN 2/80

**Segment: N3 Address Information**

**Position:** 240

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example: N3|11200 NORTH CONGRESS~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

**Segment: N4 Geographic Location**

**Position:** 250

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If N406 is present, then N405 is required.

**Semantic Notes:**

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

2N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** Example: N4| KANSAS CITY|MO|64153~

This segment is Mandatory for Nonexempt Rx Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	N401	19 City Name Free-form text for city name	O AN 2/30
Must Use	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15



**Segment: REF Reference Identification**

**Position:** 260

**Loop:**N1 Mandatory

**Level:**Detail

**Usage:**Optional

**Max Use:** 12

**Purpose:**To specify identifying information

**Syntax Notes:** 1At least one of REF02 or REF03 is required.

2If either C04003 or C04004 is present, then the other is required.

3If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:**

Example: REF|FW|CA1234567~

ABC's preference is to populate this segment for Ship To, if data is available.

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		D3 National Association of Boards of Pharmacy Number	
		FW State License Identification Number	
Must Use	REF02	127 Reference Identification	C AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352 Description	C AN 1/80
		A free-form description to clarify the related data elements and their content	

**Segment:** **N1** Name - Buyer

**Position:** 300

**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.

**Semantic Notes:**

**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.

2 N105 and N106 further define the type of entity in N101.

**Notes:** Example: N1|BY|AMERISOURCEBERGEN DRUG CORP.|11|RA0322824~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M ID 2/3
Must Use	N102	93 Name Free-form name	C AN 1/60
Must Use	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 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 21 Health Industry Number (HIN) 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent UL GLN/UCC/EAN Location Code	C ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code	C AN 2/80

**Segment: N3 Address Information**

**Position:** 240

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example: N3|21978 NETWORK PLACE~  
This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

**Segment: N4 Geographic Location**

**Position:** 250

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If N406 is present, then N405 is required.

**Semantic Notes:**

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

2N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** Example: N4|CHICAGO|IL|606731219~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	N401	19 City Name Free-form text for city name	O AN 2/30
Must Use	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

Segment: **REF** Reference Identification

Position: 260

Loop: N1 Mandatory

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Example: REF|FW|CA1234567~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification D3 National Association of Boards of Pharmacy Number FW State License Identification Number	M ID 2/3
Must Use	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The license number of the ship to entity.	C AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **N1** Name - Ship From

**Position:** 400

**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.

**Semantic Notes:**

**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.

2 N105 and N106 further define the type of entity in N101.

**Notes:** Example: N1|SF|ZBEST PHARMACEUTICALS|1|003099999~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>ElementName</u>	<u>Attributes</u>
<u>Attribute</u> M	<u>Des.</u> N101	<u>98</u>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual SF Ship From	<b>M ID 2/3</b>
<b>Must Use</b>	<b>N102</b>	<b>93</b>	<b>Name - Ship From</b> Free-form name	<b>C AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 21 Health Industry Number (HIN) 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent UL GLN/UCC/EAN Location Code	<b>C ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code	<b>C AN 2/80</b>

**Segment: N3 Address Information**

**Position:** 240

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example: N3|1 SUNDAY DRIVE~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

**Segment: N4 Geographic Location**

**Position:** 250

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If N406 is present, then N405 is required.

**Semantic Notes:**

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

2N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** Example: N4|PARKVIEW|KS|62646~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	N401	19 City Name Free-form text for city name	O AN 2/30
Must Use	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15



**Segment: REF Reference Identification**

**Position:** 260

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:**

Example: REF|FW|CA8888888~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification D3 National Association of Boards of Pharmacy Number Supplier's NABP provided VAWD (Verified Accredited Wholesale Distributors™) Number. FW State License Identification Number A unique number assigned to each provider of service; this number is assigned by state governments and is the provider's legal identification number in the state that is assigned.	M ID 2/3
Must Use	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment: PER Administrative Communications Contact**

**Position:** 151

**Loop:**N1 Mandatory

**Level:**Detail

**Usage:**Optional (Must Use)

**Max Use:** 3

**Purpose:**To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** 1If either PER03 or PER04 is present, then the other is required.

2If either PER05 or PER06 is present, then the other is required.

3If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Example:

PER|CE|JAMES SMITH|TE|18005551212|EM|JSMITH@ZBESTPHARM.COM~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
M	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named CE Certifier	M ID 2/2
Must Use	PER02	93 Name Free-form name	O AN 1/60
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone	C ID 2/2
	PER04	364 Communication Number Complete communications number including country or area code when applicable A valid telephone number must be provided.	C AN 1/80
	PER05	365 Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail	C ID 2/2
	PER06	364 Communication Number Complete communications number including country or area code when applicable A valid email address must be provided	C AN 1/80

**Segment:** **N1** Name - Seller

**Position:** 400

**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.

**Semantic Notes:**

**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.

2 N105 and N106 further define the type of entity in N101.

**Notes:** Note: The business name and address from whom ownership is transferred, per 21 USC Sec. 581 (26) (I)

Example: N1|SE|ZBEST PHARMACEUTICALS|1|003099999~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	M ID 2/3
Must Use	N102	93 Name Free-form name	C AN 1/60
Must Use	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 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 21 Health Industry Number (HIN) UL GLN/UCC/EAN Location Code	C ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code	C AN 2/80

**Segment: N3 Address Information**

**Position:** 400

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example: N3|1 SUNDAY DRIVE~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

**Segment: N4 Geographic Location**

**Position:** 400

**Loop:** N1 Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If N406 is present, then N405 is required.

**Semantic Notes:**

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

2N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** Example: N4|PARKVIEW|KS|62646~

This segment is Mandatory for Nonexempt RX Products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	N401	19 City Name Free-form text for city name	O AN 2/30
Must Use	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

Segment: **REF** Reference Identification

Position: 260

Loop: N1 Mandatory

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Example: REF|FW|CA8888888~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>ElementName</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			D3	National Association of Boards of Pharmacy Number Supplier's NABP provided VAWD (Verified Accredited Wholesale Distributors™) Number.
			FW	State License Identification Number A unique number assigned to each provider of service; this number is assigned by state governments and is the provider's legal identification number in the state that is assigned.
Must Use	REF02	127	Reference Identification	C AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

**Segment:** **YNQ** DSCSA Transaction Statement

**Position:** 330

**Loop:**HL Mandatory

**Level:**Detail

**Usage:**Mandatory

**Max Use:** 1

**Purpose:**To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

**Syntax Notes:** 1Only one of YNQ01 YNQ09 or YNQ10 may be present.

2If either YNQ03 or YNQ04 is present, then the other is required.

3If YNQ09 is present, then YNQ08 is required.

**Semantic Notes:** 1YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

2YNQ10 contains a free-form question when codified questions are not available.

**Comments:**

**Notes:** The YNQ02 should have a value of 'Y' which indicates that DSCSA applies.

Example: YNQ||Y||DSCSA COMPLIANT||99|TS~

This segment is Mandatory for Nonexempt RX Products

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	<u>M</u> <u>ID</u> 1/1
M	YNQ02	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response "Y" indicates that the transaction is DSCSA compliant. Y Yes	M ID 1/1
Must Use	YNQ05	933 Free-Form Message Text Free-form message text Seller has complied with each applicable subsection of FDCA Sec. 581(27)(A)-(G).	O AN 1/264
	YNQ06	933 Free-Form Message Text Free-form message text	O AN 1/264
	YNQ07	933 Free-Form Message Text Free-form message text	O AN 1/264
Must Use	YNQ08	1270 Code List Qualifier Code Code identifying a specific industry code list 99 Purpose Code	C ID 1/3
Must Use	YNQ09	1271 Industry Code Code indicating a code from a specific industry code list TS Transaction Statement	C AN 1/30
	YNQ10	933 Free-Form Message Text Free-form message text	C AN 1/264

Segment: **YNQ** Direct Purchase Statement

Position: 330

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes: 1 Only one of YNQ01 YNQ09 or YNQ10 may be present.

2 If either YNQ03 or YNQ04 is present, then the other is required.

3 If YNQ09 is present, then YNQ08 is required.

Semantic Notes: 1 YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

2 YNQ10 contains a free-form question when codified questions are not available.

Comments:

Notes:

Notes: The YNQ02 should have a value of Y which indicates that Direct Purchase Statement details are available at the item level. As indicated below, product was purchased directly from the manufacturer, manufacturer's exclusive distributor or repackager who purchased directly from a manufacturer.

Example:

YNQ|Y|||PRODUCT PURCHASED FROM MANUFACTURERE|||99|DPS~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	YNQ02	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response Y Yes	M ID 1/1
Must Use	YNQ05	933 Free-Form Message Text Free-form message text As indicated below, product was purchased directly from the manufacturer, manufacturer's exclusive distributor or repackager who purchased directly from a manufacturer	O AN 1/264
Must Use	YNQ08	1270 Code List Qualifier Code Code identifying a specific industry code list 99 Purpose Code	C ID 1/3
Must Use	YNQ09	1271 Industry Code Code indicating a code from a specific industry code list DPS Direct Purchase Statement	C AN 1/30



**Segment: HL Hierarchical Level -Order Level**

**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

**Syntax Notes:**

**Semantic Notes:**

- 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:** Example: HL|2|1|O|1~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element 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
Must Use	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
M	HL03	735 Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
Must Use	HL04	O Order 736 Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described	O ID 1/1
		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

Syntax Notes:

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

Comments:

Notes: Example: PRF| PO12345|||20140604~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	PRF01	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser ABC Purchase Order Number – Please send the PO number only. No extra characters are required other than the actual PO number.	M AN 1/22
	PRF02	328 Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
	PRF03	327 Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8
Must Use	PRF04	373 Date Date expressed as CCYYMMDD Original Purchase Order Date	O DT 8/8

Segment: **REF** Reference Identification

Position: 150

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Example: REF|IV|798765432~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>ElementName</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>128</u>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
M	REF01		Code qualifying the Reference Identification	
			IV Seller's Invoice Number	
			VN Vendor Order Number	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>C AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **DTM** Date/Time Reference

Position: 200

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: Example: DTM|003|20140714~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 003 Invoice	M ID 3/3
Must Use	DTM02	373 Date Date expressed as CCYYMMDD	C DT 8/8

**Segment: HL Hierarchical Level - Tare Level**

**Position:** 390

**Loop:** HL Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

- 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:** If using S-O-T-P-I, the T (Tare) level is strongly desired.

Example: HL|3|2|T|1~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</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
Must Use	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
Must Use	HL03	735 Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	O ID 1/2
Must Use	HL04	736 Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described	O ID 1/1
		1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	

**Segment: MAN** Marks and Numbers

**Position:** 190

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** >1

**Purpose:** To indicate identifying marks and numbers for shipping containers

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

2If MAN06 is present, then MAN05 is required.

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

2When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

3When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

**Comments:** 1When 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.

2MAN03 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:** Example: MAN|GM|00111199991234567912~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
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	
		W Pallet Number	
M	MAN02	87 Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
		Tare Level SSCC-18 Pallet Tracking ID	

**Amerisourcebergen Requirement :** MAN02 element value needs to be all numeric with 20 characters length if MAN01 is "GM". It should start with "00" and remaining 18 characters should specify the valid SSCC. Same SSCC cannot be used multiple times in an ASN.

**Segment: HL Hierarchical Level - Container (Pack) Level**

**Position:** 015

**Loop:** HL Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

- 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:** Example: HL|4|3|P|1~

**Data Element Summary**

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element 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
Must Use	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
Must Use	HL03	735 Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure P Pack	O ID 1/2
Must Use	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: LIN Item Identification**

**Position:** 020

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**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.
  - 4 If either LIN10 or LIN11 is present, then the other is required.
  - 5 If either LIN12 or LIN13 is present, then the other is required.
  - 6 If either LIN14 or LIN15 is present, then the other is required.
  - 7 If either LIN16 or LIN17 is present, then the other is required.
  - 8 If either LIN18 or LIN19 is present, then the other is required.
  - 9 If either LIN20 or LIN21 is present, then the other is required.
  - 10 If either LIN22 or LIN23 is present, then the other is required.
  - 11 If either LIN24 or LIN25 is present, then the other is required.
  - 12 If either LIN26 or LIN27 is present, then the other is required.
  - 13 If either LIN28 or LIN29 is present, then the other is required.
  - 14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** 1 LIN01 is the line item identification

**Comments:** 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.

**Notes:** Only Applicable for Single (homogeneous) SKU Full Case Cartons

Example: LIN|0001|N4|09999166272~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		ASN Line Number or Original PO Line Number (ABC's preference is the Original PO Line Number)	
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) <b>The Product Qualifier code used here must match the code used in the EDI 850 transaction sent by AmerisourceBergen.</b>	

- LT Lot Number
- MF Manufacturer
- N1 National Drug Code in 4-4-2 Format
- N2 National Drug Code in 5-3-2 Format
- N3 National Drug Code in 5-4-1 Format
- N4 National Drug Code in 5-4-2 Format
- N5 National Health Related Item Code in 5-5 Format
- N6 National Health Related Item Code in 4-6 Format
- ND National Drug Code (NDC)
- NH National Health Related Item Code



UA U.P.C./EAN Case Code (2-5-5)  
UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)  
UP U.P.C. Consumer Package Code (1-5-5-1)  
UX Universal Product Number  
VC Vendor's (Seller's) Catalog Number

**Must Use**    **LIN03**    **234**    **Product/Service ID**    **O**    **AN 1/48**

Identifying number for a product or service

NDC Number – Please send the valid NDC number without additional prefix or suffix number.

**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:** 1If either PO402 or PO403 is present, then the other is required.

2If PO405 is present, then PO406 is required.

3If either PO406 or PO407 is present, then the other is required.

4If either PO408 or PO409 is present, then the other is required.

5If PO410 is present, then PO413 is required.

6If PO411 is present, then PO413 is required.

7If PO412 is present, then PO413 is required.

8If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

9If PO417 is present, then PO416 is required.

10If PO418 is present, then PO404 is required.

**Semantic Notes:** 1PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.

2PO416 is the package identifier or the beginning package identifier in a range of identifiers.

3PO417 is the ending package identifier in a range of identifiers.

4PO418 is the number of packages in this layer.

**Comments:** 1PO403 - 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".

2PO413 defines the unit of measure for PO410, PO411, and PO412.

**Notes:** Only Applicable for Single SKU Full Case Cartons

Example: PO4|4|40|CA||||12|CC||||4~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	PO401	356 Pack	O N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	
Must Use	PO402	357 Size	C R 1/8
		Size of supplier units in pack	
	PO403	355 Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		AM Ampoule	
		BO Bottle	
		BX Box	
		CA Case	
		CH Container	
		CT Carton	
		DZ Dozen	
		EA Each	

GS	Gross
KT	Kit
OZ	Ounce - Av
P1	Percent
PC	Piece
PF	Pallet (Lift)
PK	Package
SP	Shelf Package
SZ	Syringe
UN	Unit

Use UN for pill counts or for partials.

VI	Vial
----	------

	<b>PO404</b>	<b>103</b>	<b>Packaging Code</b>	<b>C AN 3/5</b>
			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	
	<b>PO405</b>	<b>187</b>	<b>Weight Qualifier</b>	<b>O ID 1/2</b>
			Code defining the type of weight	
	<b>PO406</b>	<b>384</b>	<b>Gross Weight per Pack</b>	<b>C R 1/9</b>
			Numeric value of gross weight per pack	
<b>Must Use</b>	<b>PO407</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>Must Use</b>	<b>PO408</b>	<b>385</b>	<b>Gross Volume per Pack</b>	<b>C R 1/9</b>
			Numeric value of gross volume per pack	
	<b>PO409</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CC Cubic Centimeter	
			CF Cubic Feet	
			CI Cubic Inches	
			CR Cubic Meter	
			CY Cubic Yard	
	<b>PO410</b>	<b>82</b>	<b>Length</b>	<b>C R 1/8</b>
			Largest horizontal dimension of an object measured when the object is in the upright position	
	<b>PO411</b>	<b>189</b>	<b>Width</b>	<b>C R 1/8</b>
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
	<b>PO412</b>	<b>65</b>	<b>Height</b>	<b>C R 1/8</b>
			Vertical dimension of an object measured when the object is in the upright position	
	<b>PO413</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C ID 2/2</b>
			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	
	<b>PO414</b>	<b>810</b>	<b>Inner Pack</b>	<b>O N0 1/6</b>
			The number of eaches per inner container	

**Segment: MAN** Marks and Numbers

**Position:** 190

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate identifying marks and numbers for shipping containers

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

2If MAN06 is present, then MAN05 is required.

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

2When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

3When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

**Comments:** 1When 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.

2MAN03 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:** Example: MAN|AI|00105005559876543210~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	MAN01	88 Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) AI UCC/EAN-128 Application Identifier (AI) and Data	M ID 1/2
M	MAN02	87 Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	M AN 1/48

Segment: **MAN** Marks and Numbers

Position: 190

Loop: HL Mandatory

Level: Detail

Usage: Optional

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.

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: Example: MAN|GM|0022227779876543211~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
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 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
		SSCC-18 and Application Identifier	

**Amerisourcebergen Requirement** : MAN02 element value needs to be all numeric with 20 characters length if MAN01 is "GM". It should start with "00" and remaining 18 characters should specify the valid SSCC. Same SSCC cannot be used multiple times in an ASN.

**Segment: DTM** Date/Time Reference

**Position:** 200

**Loop:**HL Mandatory

**Level:**Detail

**Usage:**Mandatory

**Max Use:** 10

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

**Syntax Notes:** 1At least one of DTM02 DTM03 or DTM05 is required.

2If DTM04 is present, then DTM03 is required.

3If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Only Applicable for Single (homogeneous) SKU Full Case Cartons

Example: DTM|208|20150610~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	DTM01	374 <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 208 Lot Number Expiration	M ID 3/3
Must Use	DTM02	373 <b>Date</b> Date expressed as CCYYMMDD	C DT 8/8

**Segment:** **HL** Hierarchical Level - Item Level

**Position:** 390

**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

**Syntax Notes:**

**Semantic Notes:**

- 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:** Example: HL|5|4||0~

#### Data Element Summary

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element 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
Must Use	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O 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:**
- 1If either LIN04 or LIN05 is present, then the other is required.
  - 2If either LIN06 or LIN07 is present, then the other is required.
  - 3If either LIN08 or LIN09 is present, then the other is required.
  - 4If either LIN10 or LIN11 is present, then the other is required.
  - 5If either LIN12 or LIN13 is present, then the other is required.
  - 6If either LIN14 or LIN15 is present, then the other is required.
  - 7If either LIN16 or LIN17 is present, then the other is required.
  - 8If either LIN18 or LIN19 is present, then the other is required.
  - 9If either LIN20 or LIN21 is present, then the other is required.
  - 10If either LIN22 or LIN23 is present, then the other is required.
  - 11If either LIN24 or LIN25 is present, then the other is required.
  - 12If either LIN26 or LIN27 is present, then the other is required.
  - 13If either LIN28 or LIN29 is present, then the other is required.
  - 14If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** 1LIN01 is the line item identification

**Comments:** 1See the Data Dictionary for a complete list of IDs.

2LIN02 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.

**Notes:** This segment is used to communicate NDC and Lot Number Transaction Information for DSCSA.

Example: LIN|0001|N4|09999166272|LT|606310B~

Note:- For nonexempted RX products, NDC (Either N1 or N2 or N3 or N4 or ND are required along with LT)

**Data Element Summary**

User	Ref.	Data	Attributes
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set ASN Line Number or Original PO Line Number (ABC's preference is the Original PO line Number)	
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) <b>The Product Qualifier code used here must match the code used in the EDI 850 transaction sent by AmerisourceBergen.</b>	

- LT Lot Number
- MF Manufacturer
- N1 National Drug Code in 4-4-2 Format
- N2 National Drug Code in 5-3-2 Format
- N3 National Drug Code in 5-4-1 Format
- N4 National Drug Code in 5-4-2 Format
- N5 National Health Related Item Code in 5-5 Format



N6	National Health Related Item Code in 4-6 Format
ND	National Drug Code (NDC)
NH	National Health Related Item Code
UA	U.P.C./EAN Case Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UP	U.P.C. Consumer Package Code (1-5-5-1)
UX	Universal Product Number
VC	Vendor's (Seller's) Catalog Number

M	LIN03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			NDC Number		
Must Use	LIN04	235	<b>Product/Service ID Qualifier</b>	C	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			LT Lot Number		
Must Use	LIN05	234	<b>Product/Service ID</b>	C	AN 1/48
			Identifying number for a product or service		
	LIN06	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			LT Lot Number		
	LIN07	234	<b>Product/Service ID</b>	O	AN 1/48
			Identifying number for a product or service		
			Lot Number		
	LIN08	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	LIN09	234	<b>Product/Service ID</b>	O	AN 1/48
			Identifying number for a product or service		
	LIN10	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	LIN11	234	<b>Product/Service ID</b>	O	AN 1/48
			Identifying number for a product or service		
	LIN12	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	LIN13	234	<b>Product/Service ID</b>	O	AN 1/48
			Identifying number for a product or service		
	LIN14	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	LIN15	234	<b>Product/Service ID</b>	O	AN 1/48
			Identifying number for a product or service		
	LIN16	235	<b>Product/Service ID Qualifier</b>	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	LIN17	234	<b>Product/Service ID</b>	O	AN 1/48

		Identifying number for a product or service		
<b>LIN18</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>O</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>LIN19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>O</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>LIN20</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>O</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>LIN21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>O</b>	<b>AN 1/48</b>
		Identifying number for a product or service		

**Segment: SN1 Item Detail (Shipment)**

**Position:** 030

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If either SN105 or SN106 is present, then the other is required.

**Semantic Notes:** 1SN101 is the ship notice line-item identification.

**Comments:** 1SN103 defines the unit of measurement for both SN102 and SN104.

**Notes:** This segment can be used to communicate number of containers for Transaction Information for DSCSA.

ALL SHIPMENT MUST REFLECT THE SMALLEST DISTRIBUTION QUANTITY AND SHOULD BE REFLECTED IN THE SN1 SEGMENT.

Example: SN1|0001|36|EA|36|36|EA~

Please send non-zero value in SN102. Please send SN104 - Qty shipped to date and SN105 - Qty ordered according to current shipment qty. This is critical for our item reconciliation

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	SN101	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		ABC prefers to receive the Original PO Line Number as referenced in LIN01. If it is not available the ASN Line Number may be used.	
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	
		Original Purchase Order Unit of Measure	
		AM	Ampoule
		BO	Bottle
		BX	Box
		CA	Case
		CH	Container
		CT	Carton
		DZ	Dozen
		EA	Each
		GS	Gross
		KT	Kit
		OZ	Ounce - Av
		P1	Percent
		PC	Piece
		PF	Pallet (Lift)

PK	Package
SP	Shelf Package
SZ	Syringe
UN	Unit
VI	Vial

<b>SN104</b>	<b>646</b>	<b>Quantity Shipped to Date</b>	<b>O</b>	<b>R 1/15</b>
		Number of units shipped to date		

<b>Must Use</b>	<b>SN105</b>	<b>330</b>	<b>Quantity Ordered</b>	<b>C</b>	<b>R 1/15</b>
			Quantity ordered		

<b>SN106</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

AM	Ampoule
BO	Bottle
BX	Box
CA	Case
CH	Container
CT	Carton
DZ	Dozen
EA	Each
GS	Gross
KT	Kit
OZ	Ounce - Av
P1	Percent
PC	Piece
PF	Pallet (Lift)
PK	Package
SP	Shelf Package
SZ	Syringe
UN	Unit
VI	Vial

**Segment: PID Product/Item Description**

**Position:** 070

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 200

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

**Syntax Notes:** 1If PID04 is present, then PID03 is required.

2At least one of PID04 or PID05 is required.

3If PID07 is present, then PID03 is required.

4If PID08 is present, then PID04 is required.

5If PID09 is present, then PID05 is required.

**Semantic Notes:** 1Use PID03 to indicate the organization that publishes the code list being referred to.

2PID04 should be used for industry-specific product description codes.

3PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.

4PID09 is used to identify the language being used in PID05.

**Comments:** 1If 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.

2Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3PID07 specifies the individual code list of the agency specified in PID03.

**Notes:** Example: PID|F|||SULOCAMIN 0.4MG CAP 90~

Note:- PID05 is mandatory for all nonexempted RX products

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
Must Use	PID05	352 Description A free-form description to clarify the related data elements and their content The description must include the prescription (Rx) drug product information such as proprietary or established name of the product, strength, dosage and container size.	C AN 1/80

**Segment: REF Reference Identification**

**Position:** 150

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1At least one of REF02 or REF03 is required.

2If either C04003 or C04004 is present, then the other is required.

3If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** Example: REF|IV|999888777~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification  IV Seller's Invoice Number	M ID 2/3
Must Use	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Seller's Invoice Number	C AN 1/30

**Segment: DTM Lot Expiration Date**

**Position:** 200

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 10

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

**Syntax Notes:** 1At least one of DTM02 DTM03 or DTM05 is required.

2If DTM04 is present, then DTM03 is required.

3If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Example: DTM|208|20150610~

Note: For all nonexempted RX products, DTM01 & DTM02 are mandatory

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	DTM01	374 <b>Date/Time Qualifier</b>	M ID 3/3
		Code specifying type of date or time, or both date and time	
		208 Lot Number Expiration	
Must Use	DTM02	373 <b>Date</b>	C DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **N1** Name

**Position:** 155

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**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.

**Semantic Notes:**

**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.

2 N105 and N106 further define the type of entity in N101.

**Notes:** Example: N1|MF|ZBEST PHARMACEUTICALS|11|AB1234567~

### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DS Distributor MF Manufacturer of Goods SU Supplier/Manufacturer	M ID 2/3
	N102	93 Name Free-form name	C AN 1/60
Must Use	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 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 21 Health Industry Number (HIN) UL GLN/UCC/EAN Location Code	C ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code	C AN 2/80



**Segment: N3 Address Information**

**Position:** 264

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

Example: N3|1 SUNDAY DRIVE~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	N301	166 Address Information Address information	M AN 1/55
	N302	166 Address Information Address information	O AN 1/55

**Segment: N4 Geographic Location**

**Position:** 282

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1If N406 is present, then N405 is required.

**Semantic Notes:**

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

2N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** Example: N4|PARKVIEW|KS|62646~

**Data Element Summary**

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
Must Use	N401	19 City Name Free-form text for city name	O AN 2/30
Must Use	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

Segment: **REF** Reference Identification

Position: 150

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: Example: REF|KK|20140101|123654~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification KK Delivery Reference	M ID 2/3
Must Use	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Delivery Reference Date	C AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content Advance Ship Notice Reference Number	C AN 1/80

**Segment:** **YNQ** Yes/No Question

**Position:** 330

**Loop:**HL Mandatory

**Level:**Detail

**Usage:**Optional

**Max Use:** 1

**Purpose:**To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

**Syntax Notes:** 1Only one of YNQ01 YNQ09 or YNQ10 may be present.

2If either YNQ03 or YNQ04 is present, then the other is required.

3If YNQ09 is present, then YNQ08 is required.

**Semantic Notes:** 1YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

2YNQ10 contains a free-form question when codified questions are not available.

**Comments:**

**Notes:**

The purpose of the YNQ segment at the Item Level is to indicate that the Direct Purchase Statement established at the Shipment Level applies or that a Direct Purchase Statement was received.

Example: YNQ|CX|Y|||||99|DIR~

#### Data Element Summary

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data ElementName</u>	<u>Attributes</u>
	YNQ01	1321 Condition Indicator Code indicating a condition	C ID 2/2
M	YNQ02	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response "Y" indicates that the direct purchase statement applies or that a direct purchase statement has been received. Y Yes	M ID 1/1
Must Use	YNQ08	1270 Code List Qualifier Code Code identifying a specific industry code list 99 Purpose Code	C ID 1/3
Must Use	YNQ09	1271 Industry Code Code indicating a code from a specific industry code list DIR Product Purchased Directly RDPS Received Direct Purchase Statement	C AN 1/30

**Segment:** **CTT** Transaction Totals

**Position:** 010

**Loop:**

**Level:** Summary

**Usage:** Optional

**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.

**Semantic Notes:**

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

**Notes:** Example: CTT|5~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</u>	
M	CTT01	354 Number of Line Items	M N0 1/6

Total number of line items in the transaction set

On the 856 document, this value represents the number of HL Segments in the transaction set, not the number of actual line items, as stated in the Transaction Set Notes

**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)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1SE is the last segment of each transaction set.

**Notes:** Example: SE|45|0123~

#### Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>ElementName</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