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:

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

Detail:

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

300	N1	Name - Buyer	M	1	
240	N3	Address Information	M	2	
250	N4	Geographic Location	M	1	
260	REF	Reference Identification	O	12	
		LOOP ID - N1			1
400	N1	Name - Ship From	M	1	
240	N3	Address Information	M	2	
250	N4	Geographic Location	M	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	M	1	
400	N4	Geographic Location	M	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)	M	1	
070	PID	Product/Item Description	M	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:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	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: **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).
Comments:
Notes: Example: ST|856|0123~

Data Element Summary

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

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
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.
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**		M	**ID 2/2**
			Code identifying purpose of transaction set			
			00	Original		
			05	Replace		
M	BSN02	396	**Shipment Identification**		M	**AN 2/30**
			A unique control number assigned by the original shipper to identify a specific shipment			
			Vendor Bill of Lading Number or other Shipment Identifier			
M	BSN03	373	**Date**		M	**DT 8/8**
			Date expressed as CCYYMMDD			
			Document Create Date			
M	BSN04	337	**Time**		M	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
			Document Create Time. Strongly suggest HHMM only.			
	BSN05	1005	**Hierarchical Structure Code**		O	**ID 4/4**
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set			
			0001	Shipment, Order, Packaging, Item		
			0004	Shipment, Order, Item		
	BSN06	640	**Transaction Type Code**		C	**ID 2/2**
			Code specifying the type of transaction			
			AS	Shipment Advice		
				Notification by an inventory management organization providing current shipping advice relating to the outstanding requisition or order		
			DO	Drop Shipment Invoice		
				Used to indicate a drop ship notice, not a drop ship invoice		

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

User Attribute	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		
			'1'		
	HL02	734	**Hierarchical Parent ID Number**	O	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
			'0'		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			S Shipment		
Must Use	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			Code indicating if there are hierarchical child data segments subordinate to the level being described		
			1 Additional Subordinate HL Data Segment in This Hierarchical Structure.		

Segment: TD1 Carrier Details (Quantity and Weight)
       Position: 110
       Loop: HL   Mandatory
       Level: Detail
       Usage: Must Use
      Max Use: 20
      Purpose: To specify the transportation details relative to commodity, weight, and quantity
  Syntax Notes: **1** If TD101 is present, then TD102 is required.
               2 If TD103 is present, then TD104 is required.
               3 If TD106 is present, then TD107 is required.
               4 If either TD107 or TD108 is present, then the other is required.
               5 If either TD109 or TD110 is present, then the other is required.
Semantic Notes:
    Comments:
        Notes: Example: TD1|PLT|1||||G|25|LB~

Data Element Summary

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

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

      CAS   Case
      CTN   Carton
      PLT   Pallet

	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**	**C**	**R 1/10**

Numeric value of weight

	TD108	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

      LB   Pound

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

Position: 120
Loop:HL   Mandatory
Level: Detail
Usage: Must Use
Max Use: 12
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.
                 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: **1**When specifying a routing sequence to be used for the shipment movement in lieu of
                 specifying each carrier within the movement, use TD502 to identify the party
                 responsible for defining the routing sequence, and use TD503 to identify the actual
                 routing sequence, specified by the party identified in TD502.
Notes: Example: TD5||2|UPSC|M||CC~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
	TD501	133	**Routing Sequence Code**	**O**	**ID 1/2**
			Code describing the relationship of a carrier to a specific shipment movement		
			O Origin Carrier (Air, Motor, or Ocean)		
	TD502	66	**Identification Code Qualifier**	**M**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			2 Standard Carrier Alpha Code (SCAC)		
	TD503	67	**Identification Code**	**M**	**AN 2/80**
			Code identifying a party or other code		
	TD504	91	**Transportation Method/Type Code**	**C**	**ID 1/2**
			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)		
	TD505	387	**Routing**	**C**	**AN 1/35**
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
			Carrier Name		
	TD506	368	**Shipment/Order Status Code**	**C**	**ID 2/2**
			Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		

CC   Shipment Complete on (Date)
PR   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.
2 If TD302 is present, then TD303 is required.
3 If TD304 is present, then TD305 is required.
4 If either TD305 or TD306 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Example: TD3|TL||123456~

Data Element Summary

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

Segment:REF Reference Identification

Position: 150
Loop: HL   Mandatory
Level: Detail
Usage: 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: **1 2I is required for dropship orders**
       2 Must provide reference correlating back to TD503 SCAC code.

Notes: Example: REF|BM|000504864~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
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

User Attribute	Ref. Des.	Data Element	Name	Attributes		
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: **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: ABC requires the DTM|011 sent on all ASNs.
Example: DTM|011|20140604|0830|ED~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			011 Shipped		
Must Use	DTM02	373	Date	C	DT 8/8
			Date expressed as CCYYMMDD		
Must Use	DTM03	337	Time	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	Time Code	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: **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: ABC requires the DTM|017 or DTM|067 sent on all ASNs.
Example: DTM|017|20140606|0945|CT~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
M	DTM01	374	Date/Time Qualifier	M	ID 3/3	
			Code specifying type of date or time, or both date and time			
			017 Estimated Delivery			
			067 Current Schedule Delivery			
Must Use	DTM02	373	Date	C	DT 8/8	
			Date expressed as CCYYMMDD			
Must Use	DTM03	337	Time	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	Time Code	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: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.
      2If 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.
      2N105 and N106 further define the type of entity in N101.
    Notes: Example: N1|ST|ABC KANSAS CITY |11| RA0326276~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			ST Ship To		
Must Use	N102	93	**Name - Ship To**	M	**AN 1/60**
			Free-form name		
			AmerisourceBergen facility name		
Must Use	N103	66	**Identification Code Qualifier**	M	**ID 1/2**
			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		
			UL GLN/UCC/EAN Location Code		
Must Use	N104	67	**Identification Code**	M	**AN 2/80**
			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.		

Segment:N3 Address Information

Position: 240
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: N3|11200 NORTH CONGRESS~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

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
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
                2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Example: N4| KANSAS CITY|MO|64153~

Data Element Summary

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

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~

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

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
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.
    2If 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.
    2N105 and N106 further define the type of entity in N101.
Notes: Example: N1|BY|AMERISOURCEBERGEN DRUG CORP.|11|RA0322824~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	**Entity Identifier Code**		M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			
			BY	Buying Party (Purchaser)		
Must Use	N102	93	**Name**		M	**AN 1/60**
			Free-form name			
Must Use	N103	66	**Identification Code Qualifier**		M	**ID 1/2**
			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		
			UL	GLN/UCC/EAN Location Code		
Must Use	N104	67	**Identification Code**		M	**AN 2/80**
			Code identifying a party or other code			

Segment:N3 Address Information

Position: 240
Loop:N1   Mandatory
Level: Detail
Usage: Mandatory
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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	**AN 1/55**
			Address information		
	N302	166	**Address Information**	O	**AN 1/55**
			Address information		

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
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Example: N4|CHICAGO|IL|606731219~

Data Element Summary

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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
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		
			The license number of the ship to entity.		
	REF03	352	**Description**	C	AN 1/80
			A free-form description to clarify the related data elements and their content		

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			SF Ship From		
Must Use	N102	93	**Name - Ship From**	**M**	**AN 1/60**
			Free-form name		
Must Use	N103	66	**Identification Code Qualifier**	**M**	**ID 1/2**
			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		
			UL GLN/UCC/EAN Location Code		
Must Use	N104	67	**Identification Code**	**M**	**AN 2/80**
			Code identifying a party or other code		

Segment:N3 Address Information

Position: 240
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: N3|1 SUNDAY DRIVE~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

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

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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes		
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 (VerifiedAccredited 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: **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: **1** If either PER03 or PER04 is present, then the other is required.
               2 If either PER05 or PER06 is present, then the other is required.
               3 If 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

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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			SE Selling Party		
Must Use	N102	93	**Name**	M	AN 1/60
			Free-form name		
Must Use	N103	66	**Identification Code Qualifier**	M	ID 1/2
			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		
			UL GLN/UCC/EAN Location Code		
Must Use	N104	67	**Identification Code**	M	AN 2/80
			Code identifying a party or other code		

Segment: **N3** **Address Information**
Position: 400
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment: **N4** Geographic Location
Position: 400
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
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

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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
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: **1** YNQ09 must 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 YNQ09. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
Comments:
Notes:

Example: YNQ||Y||| Seller has complied with each applicable subsection of FDCA Sec. 581(27)(A)-(G).|||99|TS~

This segment is Mandatory for Nonexempt RX Products

Data Element Summary

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

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** YNQ09 must 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 YNQ09. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**YNQ02**	**1073**	**Yes/No Condition or Response Code**	**M**	**ID 1/1**
			Code indicating a Yes or No condition or response		
			Y Yes		
Must Use	**YNQ05**	**933**	**Free-Form Message Text**	**O**	**AN 1/264**
			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		
Must Use	**YNQ08**	**1270**	**Code List Qualifier Code**	**C**	**ID 1/3**
			Code identifying a specific industry code list		
			99 Purpose Code		
Must Use	**YNQ09**	**1271**	**Industry Code**	**C**	**AN 1/30**
			Code indicating a code from a specific industry code list		
			DPS Direct Purchase Statement		

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

User Attribute	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		
Must Use	HL02	734	Hierarchical Parent ID Number	O	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	Hierarchical Level Code	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			O Order		
Must Use	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
Syntax Notes:
Semantic Notes: **1** PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: Example: PRF| PO12345|||20140604~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	PRF01	324	**Purchase Order Number**	M	AN 1/22
			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.		
	PRF02	328	**Release Number**	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
	PRF03	327	**Change Order Sequence Number**	O	AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
Must Use	PRF04	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
			Original Purchase Order Date		

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			IV Seller's Invoice Number		
			VN Vendor Order 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 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

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

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.
  2HL01 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.
  3HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
  4HL03 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.
  5HL04 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

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

Segment:MAN Marks and Numbers

Position: 190
Loop: HL   Mandatory
Level: Detail
Usage: Optional (Must Use)
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|00111199991234567912~

Data Element Summary

User Attribute	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		
			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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
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) The Product Qualifier code used here must match the code used in the EDI 850 transaction sent by AmerisourceBergen.		

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	

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:
  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.
  9 If PO417 is present, then PO416 is required.
  10 If PO418 is present, then PO404 is required.
Semantic Notes:
  1 PO415 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.
  2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
  3 PO417 is the ending package identifier in a range of identifiers.
  4 PO418 is the number of packages in this layer.
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.
Notes: Only Applicable for Single SKU Full Case Cartons

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

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
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	

	PO404	103	**Packaging Code**	**C**	**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

	PO405	187	**Weight Qualifier**	**O**	**ID 1/2**

Code defining the type of weight

	PO406	384	**Gross Weight per Pack**	**C**	**R 1/9**

Numeric value of gross weight per pack

Must Use	**PO407**	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

Must Use	**PO408**	385	**Gross Volume per Pack**	**C**	**R 1/9**

Numeric value of gross volume per pack

	PO409	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

		CC	Cubic Centimeter
		CF	Cubic Feet
		CI	Cubic Inches
		CR	Cubic Meter
		CY	Cubic Yard

	PO410	82	**Length**	**C**	**R 1/8**

Largest horizontal dimension of an object measured when the object is in the upright position

	PO411	189	**Width**	**C**	**R 1/8**

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

	PO412	65	**Height**	**C**	**R 1/8**

Vertical dimension of an object measured when the object is in the upright position

	PO413	355	**Unit or Basis for Measurement Code**	**C**	**ID 2/2**

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

		CM	Centimeter
		IN	Inch
		MM	Millimeter

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

The number of eaches per inner container

Segment: **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|AI|00105005559876543210~

Data Element Summary

User Attribute	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)			
			AI UCC/EAN-128 Application Identifier (AI) and Data			
M	MAN02	87	Marks and Numbers		M	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment			

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

User Attribute	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 1/48
			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: **1**At 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
Note: For all nonexempted RX products, DTM01 & DTM02 are mandatory

Example: DTM|208|20150610~

Data Element Summary

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

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|I|0~

Data Element Summary

User Attribute	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		
Must Use	HL02	734	**Hierarchical Parent ID Number**	O	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			I Item		
	HL04	736	**Hierarchical Child Code**	O	ID 1/1
			Code indicating if there are hierarchical child data segments subordinate to the level being described		
			0 No Subordinate HL Segment in This Hierarchical Structure.		

Segment: **LIN** Item Identification

Position: 020
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 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: 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 Attribute	Ref. Des.	Data Element	Name		Attributes	
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) The Product Qualifier code used here must match the code used in the EDI 850 transaction sent by AmerisourceBergen.			

	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   **Product/Service ID**   **M**   **AN 1/48**

Identifying number for a product or service

NDC Number

Must Use   **LIN04**   235   **Product/Service ID Qualifier**   **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   **Product/Service ID**   **C**   **AN 1/48**

Identifying number for a product or service

Lot Number

LIN06   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN07   234   **Product/Service ID**   **O**   **AN 1/48**

Identifying number for a product or service

LIN08   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN09   234   **Product/Service ID**   **O**   **AN 1/48**

Identifying number for a product or service

LIN10   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN11   234   **Product/Service ID**   **O**   **AN 1/48**

Identifying number for a product or service

LIN12   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN13   234   **Product/Service ID**   **O**   **AN 1/48**

Identifying number for a product or service

LIN14   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN15   234   **Product/Service ID**   **O**   **AN 1/48**

Identifying number for a product or service

LIN16   235   **Product/Service ID Qualifier**   **O**   **ID 2/2**

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

LIN17   234   **Product/Service ID**   **O**   **AN 1/48**

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

User Attribute	Ref. Des.	Data Element	Name		Attributes	
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	

M	**SN104**	**646**	**Quantity Shipped to Date**	**M**	**R 1/15**

Number of units shipped to date

M	**SN105**	**330**	**Quantity Ordered**	**M**	**R 1/15**

Quantity ordered

M	**SN106**	**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

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: 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.
    3 If PID07 is present, then PID03 is required.
    4 If PID08 is present, then PID04 is required.
    5 If PID09 is present, then 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.
    3 PID08 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.
    4 PID09 is used to identify the language being used in PID05.
Comments: **1** If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
    2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
    3 PID07 specifies the individual code list of the agency specified in PID03.
Notes: Example: PID|F||||SULOCAMIN 0.4MG CAP 90~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	PID01	349	Item Description Type	M	ID 1/1
			Code indicating the format of a description		
			F Free-form		
Must Use	PID05	352	Description	M	AN 1/80
			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.		

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|999888777~

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			IV Seller's Invoice 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		
			Seller's Invoice Number		

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: **1**At 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

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	DTM01	374	**Date/Time Qualifier**		M	ID 3/3
			Code specifying type of date or time, or both date and time			
			208	Lot Number Expiration		
Must Use	DTM02	373	**Date**		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

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	**Entity Identifier Code**		**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			
			DS	Distributor		
			MF	Manufacturer of Goods		
			SU	Supplier/Manufacturer		
	N102	93	**Name**		**C**	**AN 1/60**
			Free-form name			
Must Use	N103	66	**Identification Code Qualifier**		**C**	**ID 1/2**
			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		
Must Use	N104	67	**Identification Code**		**C**	**AN 2/80**
			Code identifying a party or other code			

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

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: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
        2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Example: N4|PARKVIEW|KS|62646~

Data Element Summary

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

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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			KK Delivery Reference		
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		
			Delivery Reference Date		
	REF03	352	**Description**	C	AN 1/80
			A free-form description to clarify the related data elements and their content		
			Advance Ship Notice Reference Number		

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: **1** YNQ09 must 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 YNQ09. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
	YNQ01	1321	**Condition Indicator**	C	ID 2/2
			Code indicating a condition		
M	YNQ02	1073	**Yes/No Condition or Response Code**	M	ID 1/1
			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		
Must Use	YNQ08	1270	**Code List Qualifier Code**	C	ID 1/3
			Code identifying a specific industry code list		
			99 Purpose Code		
Must Use	YNQ09	1271	**Industry Code**	C	AN 1/30
			Code indicating a code from a specific industry code list		
			DIR Product Purchased Directly		
			RDPS Received Direct Purchase Statement		

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.
2If 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

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	CTT01	354	Number of Line Items	M	N0 1/6

Total number of line items in the transaction set

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: **1**SE is the last segment of each transaction set.
Notes: Example: SE|45|0123~

Data Element Summary

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