Rite Aid Corporation
856 Advance Ship Notice Direct Store Delivery (DSD)
Pharmacy Version 005010

Functional Group ID=SH

Introduction:

This Advance Ship Notice (ASN) guideline is based upon the HDMA (now HDA Healthcare Distribution Alliance) guidance as well as, other industry organizations. The objective is to support an ASN transaction that complies with the traceability provisions of the Drug Supply Chain Security Act (DSCSA) requiring Trading Partners to pass, capture and maintain certain information. The objective here is based upon the ASN transaction supporting all of the TI, TH and TS data elements required. Rite Aid is requiring the ASN effective July 1, 2015.

- Transaction information (TI) includes name of the product, strength and dosage form, NDC, container size, number of containers, lot number, transaction date, shipment date, and name/address of business from which and to which ownership is being transferred.
- Transaction history (TH) includes the transaction information for each prior transaction back to manufacturer
- Transaction statement (TS) is an attestation by the business transferring ownership of the product that it has complied with the Act.
- HDA is the Healthcare Distribution Alliance. HDA Electronic Data Interchange (EDI) Guidelines for the 856 Advance Ship Notice to Support Implementation of DSCSA, version #2 was issued July 2014. The ASN will include a direct purchase and indirect purchase per HDA Guidelines where:
  1.) Direct Purchase Scenario — Ship Notice for product sent by a manufacturer to a distributor where both parties are authorized as required under the DSCSA. This initial transaction initiates the Transaction History that will be used on all subsequent transactions where the product's ownership changes. In the example, the Transaction Statement housed in the YNQ segment is a simplified statement of compliance that trading partners might agree to use.
  2.) Indirect Purchase Scenario — Ship Notice for product sent by a distributor to a subsequent distributor that will ultimately sell to a dispenser, where both distributors are authorized as required under the DSCSA. The product was purchased directly from the original manufacturer, so omission of the lot number is allowed through the DSCSA. Although lot number is not required in this example, trading partners may find it a helpful way to exchange information. In the example, the Transaction Statement housed in the YNQ segment is a simplified statement of compliance that trading partners might agree to use. An N1 loop for Original Manufacturer is included at the Item Level

This guideline may be revised based upon further guidance and regulations by the US Department of Health and Human Services, Food and Drug Administration (FDA).

Underlined Items included for referencing the DSCSA "3-T's"

(TS) Transaction Statement (TI)
Transaction Information (TH)
Transaction History

Heading:

	Pos. No.	Seg. ID.	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0150	ISA	Interchange Control Header	M	1		
M	0600	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

	Pos. No.	Seg. ID.	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
M	0100	HL	Hierarchical Shipment Level	M	1		c1
	1100	TD1	Carrier Details (Quantity and Weight)	O	1		
	1500	REF	Bill Of Lading Information	M	>1		
	1500	REF	Carrier's Reference Number Pro/Invoice Information	O	>1		
M	2000	DTM	Date/Time Reference	M	10		
	2000	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
M	2200	N1	Ship From Identification	M	1		
M	2400	N3	Ship From Address	M	2		
M	2500	N4	Ship From Geographic Location	M	1		
	2700	PER	Administrative Communications Contact HDA	O	3		
			LOOP ID - N1			1	
M	2850	N1	Ship To Store Identification	M	1		
M	2875	N3	Store Address	M	1		
M	2888	N4	Store Geographic Location	M	1		
			LOOP ID - N1			1	
M	2850	N1	Buyer Identification	M	1		
M	2875	N3	Buyer Address	M	1		
M	2888	N4	Buyer Geographic Location	M	>1		
			LOOP ID - N1			1	
M	2850	N1	Seller Identification	M	1		
M	2875	N3	Seller Address	M	1		
M	2888	N4	Seller Geographic Location	M	1		
M	3350	YNQ	Yes/No Question HDA	M	10		
M	3350	YNQ	Yes/No Question HDA	M	10		
			LOOP ID - HL			200000	
M	0100	HL	Hierarchical Order Level	M	1		
M	0500	PRF	Rite Aid Purchase Order Reference	M	1		
M	1500	REF	Reference Information HDA	M	>1		
	2000	DTM	Date/Time Reference	O	10		
			LOOP ID - HL			200000	
	0100	HL	Hierarchical Tare Level	O	1		
	1900	MAN	Marks and Numbers Information	O	>1		

			LOOP ID - HL				200000
	0100	HL	Hierarchical Pack Level	O	1		
	1950	MAN	Marks and Numbers Information	O	1		
			LOOP ID - HL				200000
M	0100	HL	Hierarchical Item Level	M	1		
M	0200	LIN	Item Identification	M	1		
M	0300	SN1	Item Detail (Shipment)	M	1		
	0400	SLN	Subline Item Detail	O	1000		
	0600	PO4	Item Physical Details	O	1		
M	0700	PID	Product/Item Description	M	200		
M	1400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	M	5		
M	1500	REF	Lot Number Reference Information	M	>1		
M	2000	DTM	Expiration Date/Time Reference	O	10		
			LOOP ID - N1				200
M	2200	N1	Manufacturer Party Identification	M	1		
M	2400	N3	Party Location	M	2		
M	2500	N4	Manufacturer Geographic Location	M	1		
M	2600	REF	Manufacturer Reference Information	M	>1		
	3350	YNQ	Yes/No Question	O	10		

Summary:

	Pos. No.	Seg. ID.	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0200	SE	Transaction Set Trailer	M	1		
M	0800	GE	Functional Group Trailer	M	1		
M	1000	IEA	Interchange Control Trailer	M	1		

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:	**ISA** Interchange Control Header						

Position: 0150
Loop:
Level: Heading
Usage: **Mandatory**
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:
Notes: ISA*00* *00*   *01*123456789RAD   *01*014578892RX
*141230*1134*<*00501*000000005*0*P*:~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**ISA01**	**I01**	**Authorization Information Qualifier**	M	1		ID 2/2
			Code identifying the type of information in the Authorization Information				
			00	No Authorization Information Present (No Meaningful Information in I02)			
M	**ISA02**	**I02**	**Authorization Information**	M	1		AN 10/10
			Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
M	**ISA03**	**I03**	**Security Information Qualifier**	M	1		ID 2/2
			Code identifying the type of information in the Security Information				
			00	No Security Information Present (No Meaningful Information in I04)			
M	**ISA04**	**I04**	**Security Information**	M	1		AN 10/10
			This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
M	**ISA05**	**I05**	**Interchange ID Qualifier**	M	1		ID 2/2
			Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified				
M	**ISA06**	**I06**	**Interchange Sender ID**	M	1		AN 15/15
			Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
M	**ISA07**	**I05**	**Interchange ID Qualifier**	M	1		ID 2/2
			Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified				
			01	Duns (Dun & Bradstreet)			
M	**ISA08**	**I07**	**Interchange Receiver ID**	M	1		AN 15/15
			Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
			014578892RX	Rite Aid Duns Number plus suffix for pharmacy			
			This is the Rite Aid Corporation DUNS Number "Rite Aid Headquarters Corp"				
M	**ISA09**	**I08**	**Interchange Date**	M	1		DT 6/6
			Date of the interchange				
M	ISA10	I09	**Interchange Time**	M	1		TM 4/4
			Time of the interchange				
M	ISA11	I65	**Repetition Separator**	M	1		AN 1/1

Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

As of ASC X12, version 004030, a repetition separator is required in ISA11. The repetition separator must be non-alphabetic, non-numeric, and not located within data.

Repetition Separator   "<"

M	ISA12	I11	Interchange Control Version Number	M	1	ID 5/5

Code specifying the version number of the interchange control segments

00501   Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003

M	ISA13	I12	Interchange Control Number	M	1	N0 9/9

A control number assigned by the interchange sender

M	ISA14	I13	Acknowledgment Requested	M	1	ID 1/1

Code indicating sender's request for an interchange acknowledgment

0   No Interchange Acknowledgment Requested

M	ISA15	I14	Interchange Usage Indicator	M	1	ID 1/1

Code indicating whether data enclosed by this interchange envelope is test, production or information

Refer to 005010 Data Element Dictionary for acceptable code values.

M	ISA16	I15	Component Element Separator	M	1	AN 1/1

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

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Segment: **GS** **Functional Group Header**

Position:	0600
Loop:	
Level:	Heading
Usage:	**Mandatory**
Max Use:	1
Purpose:	To indicate the beginning of a functional group and to provide control information
Syntax Notes:	
Semantic Notes:	1 GS04 is the group date.
	2 GS05 is the group time.
	3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.
Comments:	1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.
Notes:	GS*SH*177667227W*014578892RX*20141230*1134*5*X*005010~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	GS01	479	Functional Identifier Code	M	1	ID 2/2

Code identifying a group of application related transaction sets

SH   Ship Notice/Manifest (856)

M	GS02	142	Application Sender's Code	M	1	AN 2/15

Code identifying party sending transmission; codes agreed to by trading partners

M	GS03	124	**Application Receiver's Code**		M	1	AN 2/15

Code identifying party receiving transmission; codes agreed to by trading partners

014578892RX	Rite Aid Duns Number plus suffix for pharmacy

This is the Rite Aid Corporation DUNS Number "Rite Aid Headquarters Corp"

M	GS04	373	**Date**		M	1	DT 8/8

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

M	GS05	337	**Time**		M	1	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)

M	GS06	28	**Group Control Number**		M	1	N0 1/9

Assigned number originated and maintained by the sender

M	GS07	455	**Responsible Agency Code**		M	1	ID 1/2

Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

X	Accredited Standards Committee X12

M	GS08	480	**Version / Release / Industry Identifier Code**		M	1	AN 1/12

Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

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	Procedures Review Board through October 2003

Segment: **ST** Transaction Set Header

Position:	0100
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).
	2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:	
Notes:	ST*856*1234~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3

Code uniquely identifying a Transaction Set

856	Ship Notice/Manifest

M	ST02	329	**Transaction Set Control Number**		M	1	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:	0200
	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:
BSN*00*123456789*20141019*1957*0004*AS~
This segment contains a date (formerly document create date) which can be used for Transaction Date as part of Transaction Information for DSCSA.
Date formats - All dates within the ASN use the format as specified in the Data Element Table 373 (CCYYMMDD).   This format does not permit the use of non-numeric characters ("/" or "-").
Time formats.
The time is based on a 24 hour clock where HH = (00-23) and MM = (00-59)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	BSN01	353	**Transaction Set Purpose Code**	M	1	ID 2/2
			Code identifying purpose of transaction set			
			00 Original			
			05 Replace			
M	BSN02	396	**Shipment Identification**	M	1	AN 2/30
			A unique control number assigned by the original shipper to identify a specific shipment			
M	BSN03	373	**ASN Create Date**	M	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
M	BSN04	337	**Time**	M	1	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)			
M	BSN05	1005	**Hierarchical Structure Code**	M	1	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 HDA**	X	1	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			

Segment:	**HL** Hierarchical Shipment Level					

Position: 0100
Loop: HL   Optional
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.

     2   The HL segment defines a top-down/left-right ordered structure.

     3   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.

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

     5   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.

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

Notes: HL*1**S*1~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	734	**Hierarchical Parent ID Number**	O	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			S Shipment			
	HL04	736	**Hierarchical Child Code HDA**	O	1	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: 1100
Loop: HL   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1   If TD101 is present, then TD102 is required.
2   If TD103 is present, then TD104 is required.
3   If TD106 is present, then TD107 is required.
4   If either TD107 or TD108 is present, then the other is required.
5   If either TD109 or TD110 is present, then the other is required.
Semantic Notes:
Comments:
Notes: TD1*CTN25*1****G*40*LB*40*CF~
Carrier Details (Quantity and Weight)
All required fields must be present including the TD101 packing code.
The TD108 'Weight' 'Weight Unit of Measure' must have a value of either LB or KG. The TD110 'Volume' 'Volume Unit of Measure' must have a value of CF.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
TD101	**103**	**Packaging Code HDA**	O	1	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			
TD102	**80**	**Lading Quantity**	O	1	N0 1/7
		Number of units (pieces) of the lading commodity			
TD106	**187**	**Weight Qualifier**	O	1	ID 1/2
		Code defining the type of weight			
		G Gross Weight			
TD107	**81**	**Weight**	O	1	R 1/10
		Numeric value of weight			
TD108	**355**	**Unit or Basis for Measurement Code**	O	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		KG Kilogram			
		LB Pound			
TD109	**183**	**Volume**	O	1	R 1/8
		Value of volumetric measure			
TD110	**355**	**Unit or Basis for Measurement Code**	O	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		CF Cubic Feet			

Segment: # REF Bill Of Lading Information

Position:	1500
Loop:	HL Optional
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:	REF*BM*3920394930203~

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
REF01	128	Reference Identification Qualifier	M	1	ID 2/3
		Code qualifying the Reference Identification			
		BM Bill of Lading Number			
REF02	127	Reference Identification	M	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		Bill of Lading Number			

Segment: # REF Carrier's Reference Number Pro/InvoiceInformation

Position:	1500
Loop:	HL Optional
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:	REF*CN*123456789009876543217689584 73~

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
REF01	128	Reference Identification Qualifier	O	1	ID 2/3
		Code qualifying the Reference Identification			
		CN Carrier's Reference Number (PRO/Invoice)			
REF02	127	Reference Identification	O	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		Carrier Reference Number (PRO#)			

		Segment:	**DTM** Date/Time Reference			

Segment: **DTM** Date/Time Reference

Position: 2000
Loop: HL   Optional
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:

(TI) Transaction Information

DTM*011*20131230*0718~
This segment contains shipment date which can be Transaction Information for DSCSA, if shipment date is more than 24 hours after date of transaction (ownership transfer).

SHIP DATE and TIME (DTM*011)
The shipment date and time are both mandatory fields. This information is used as a basis for determining if the ASN was received within 24 hours of the ship date and time. ASNs are expected and processed 7 days a week.

Date formats
This format does not permit the use of non-numeric characters ("/"or "-").

Time formats
The time is based on a 24 hour clock where HH = (00-23) and MM = (00-59).

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3	

Code specifying type of date or time, or both date and time

011   Shipped

	Ref. Des.	Data Element	Name		Attributes		
M	DTM02	373	**Date**	M	1	DT 8/8	

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Ship Date

	Ref. Des.	Data Element	Name		Attributes		
	DTM03	337	**Time**	O	1	TM 4/8	

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

Segment: **DTM** Date/Time Reference

Position: 2000
Loop: HL   Optional
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: DTM*067*20131230~

Date formats
All dates within the ASN use the format as specified in the Data Element Table 373 (CCYYMMDD).
This format does not permit the use of non-numeric characters
("/" or "-").

Time formats
The time is based on a 24 hour clock where HH = (00-23) and MM = (00-59).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
DTM01	**374**	**Date/Time Qualifier**	**O**	**1**	**ID 3/3**
		Code specifying type of date or time, or both date and time			
		017 Estimated Delivery			
		HDA Recommended			
		067 Current Schedule Delivery			
		Current Rite Aid qualifier for scheduled Delivery			
DTM02	**373**	**Date**	**O**	**1**	**DT 8/8**
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
DTM03	**337**	**Time**	**O**	**1**	**TM 4/8**
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			

Segment:	# N1 Ship From Identification
Position:	2200
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:	**(TI) Transaction Information**

N1*SF*NATIONAL REDISTRIBUTION CENTER~

Four N1 loops are required: 1. Ship To; 2. Buyer; 3. Ship From; and, 4.Seller, to distinguish logistical movement from ownership transfer.

In each N1 loop, N3 and N4 are included in the guideline, because it is mandatory to indicate the address of buyer and seller for DSCSA compliance.

	Ref. Des.	Data Element	Name		Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3	

Code identifying an organizational entity, a physical location, property or an individual

| | | | SF | | Ship From | | |

	Ref. Des.	Data Element	Name		Attributes		
M	N102	93	Name	M	1	AN 1/60	

Free-form name

Location name of shipment origin

	N103	66	Identification Code Qualifier	C	1	ID 1/2	

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

			11		Drug Enforcement Administration (DEA)		
			21		Health Industry Number (HIN)		
			UL		Global Location Number (GLN)		

A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system

	N104	67	Identification Code	C	1	AN 2/80	

Code identifying a party or other code

Segment:	**N3** Ship From Address	
Position:	2400	
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:	**(TI) Transaction Information**	

	Ref. Des.	Data Element	Name		Attributes		
M	N301	166	Address Information	M	1	AN 1/55	

Address information

Segment:	**N4** Ship From Geographic Location	
Position:	2500	
Loop:	N1	Mandatory
Level:	Detail	
Usage:	**Mandatory**	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1	Only one of N402 or N407 may be present.
	2	If N406 is present, then N405 is required.
	3	If N407 is present, then N404 is required.
Semantic Notes:		

| | Notes: | **(TI) Transaction Information** |
| | | N4*CINCINNATI*OH*43017~ |

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N401	19	**City Name**	M	1	AN 2/30
			Free-form text for city name			
			Location city name of shipment origin			
M	N402	156	**State or Province Code**	M	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
			Location state name of shipment origin			
M	N403	116	**Postal Code**	M	1	ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
			Location zip code of shipment origin			

Segment:	**PER** Administrative Communications Contact HDA	
Position:	2700	
Loop:	N1	Mandatory
Level:	Detail	
Usage:	Optional	
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:	PER*CE*JOE JONES*TE*18003217654*EM*JJONES@SUPPLIER.COM~	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	PER01	366	**Contact Function Code**	M	1	ID 2/2
			Code identifying the major duty or responsibility of the person or group named			
			CE Certifier			
M	PER02	93	**Name**	M	1	AN 1/60
			Free-form name			
	PER03	365	**Communication Number Qualifier**	X	1	ID 2/2
			Code identifying the type of communication number			
			TE Telephone			
	PER04	364	**Communication Number**	X	1	AN 1/256
			Complete communications number including country or area code when applicable			
	PER05	365	**Communication Number Qualifier**	X	1	ID 2/2
			Code identifying the type of communication number			
			EM Electronic Mail			
	PER06	364	**Communication Number**	X	1	AN 1/256
			Complete communications number including country or area code when applicable			

Segment:		**N1** Ship To Store Identification					
Position:		2850					
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: N1*ST*RITE AID STORE*92*00004~
Rite Aid uses the 5 digit store numbers

Four N1 loops are required: 1. Ship To; 2. Buyer; 3. Ship From; and, 4.Seller, to distinguish logistical movement from ownership transfer.

In each N1 loop, N3 and N4 are included in the guideline, because it is mandatory to indicate the address of buyer and seller for DSCSA compliance.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			ST Ship To			
M	N102	93	**Name**	M	1	AN 1/60
			Free-form name			
			Rite Aid Store Name			
M	N103	66	**Identification Code Qualifier**	M	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			92 Assigned by Buyer or Buyer's Agent			
M	N104	67	**Identification Code**	M	1	AN 2/80
			Code identifying a party or other code			
			Rite Aid 5 Digit Store Number			

Segment:		**N3** Store Address		
Position:		2875		
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:		N3*36 HERRING ROAD~		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N301	166	Address Information	M	1	AN 1/55
			Address information			
			Rite Aid Store Address			

Segment: **N4** Store Geographic Location

Position:	2888
Loop:	N1 Mandatory
Level:	Detail
Usage:	**Mandatory**
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 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:	N4*SHENANDOAH*GA*30265~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N401	19	City Name	M	1	AN 2/30
			Free-form text for city name			
			Rite Aid Store City			
M	N402	156	State or Province Code	M	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
			Rite Aid Store State			
M	N403	116	Postal Code	M	1	ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
			Rite Aid Store Zip Code			

Segment: **N1** Buyer Identification

Position:	2850
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.
	2 N105 and N106 further define the type of entity in N101.

Notes: **(TI) Transaction Information**
N1*BY*Rite Aid Corporation Hdqtrs~

Four N1 loops are required: 1. Ship To; 2. Buyer; 3. Ship From; and, 4.Seller, to distinguish logistical movement from ownership transfer.

In each N1 loop, N3 and N4 are included in the guideline, because it is mandatory to indicate the address of buyer and seller for DSCSA compliance.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual				
			BY	Buying Party (Purchaser)			
M	N102	93	Name	M	1	AN 1/60	
			Free-form name				
			Rite Aid Store Name				
	N103	66	Identification Code Qualifier	C	1	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67)				
			Special note for Dropship": If this is a Dropship with the actual buyer is McKesson use the qualifier "92" in the N103 and the Rite Aid assigned number for McKesson "67603"				
			11	Drug Enforcement Administration (DEA)			
			21	Health Industry Number (HIN)			
			92	Assigned by Buyer or Buyer's Agent			
			UL	Global Location Number (GLN)			
				A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system			
	N104	67	Identification Code	C	1	AN 2/80	
			Code identifying a party or other code				
			Rite's Aid GLN Number is 0311822000001				

Segment:	**N3** Buyer Address	
Position:	2875	
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:	N3*30 Hunter Lane~	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N301	166	Address Information	M	1	AN 1/55	
			Address information				
			Buyer Address				

					Segment:	**N4** Buyer Geographic Location

Segment: **N4** Buyer Geographic Location

Position: 2888
Loop: N1   Mandatory
Level: Detail
Usage: **Mandatory**
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   Only one of N402 or N407 may be present.
            2   If N406 is present, then N405 is required.
            3   If N407 is present, then N404 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: N4*Camp Hill*PA*17011~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N401	19	City Name	M	1	AN 2/30
			Free-form text for city name			
			Buyer City			
M	N402	156	State or Province Code	M	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
			Buyer State			
M	N403	116	Postal Code	M	1	ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
			Buyer Zip Code			

Segment: **N1** Seller Identification

Position: 2850
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: **(TI) Transaction Information**
N1*SE*Selling Party Pharmaceutical*UL*1234567890123l~

Four N1 loops are required: 1. Ship To; 2. Buyer; 3. Ship From; and, 4.Seller, to distinguish logistical movement from ownership transfer.

In each N1 loop, N3 and N4 are included in the guideline, because it is mandatory to indicate the address of buyer and seller for DSCSA compliance.

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

    SE   Selling Party

	Ref. Des.	Data Element	Name			Attributes
M	N102	93	**Name**	M	1	AN 1/60

Free-form name

Seller Name

	Ref. Des.	Data Element	Name			Attributes
	N103	66	**Identification Code Qualifier**	C	1	ID 1/2

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

    11   Drug Enforcement Administration (DEA)

    21   Health Industry Number (HIN)

    UL   Global Location Number (GLN)

                      A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system

	Ref. Des.	Data Element	Name			Attributes
	N104	67	**Identification Code**	C	1	AN 2/80

Code identifying a party or other code

Seller GLN Number

Segment:	**N3** Seller Address
Position:	2875
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:	N3*39 HERRING ROAD~

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes
M	N301	166	**Address Information**	M	1	AN 1/55

Address information

Seller Address

Segment:	**N4** Seller Geographic Location
Position:	2888
Loop:	N1 Mandatory
Level:	Detail
Usage:	**Mandatory**
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 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: N4*SHENANDOAH*GA*30265~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N401	19	**City Name**	M	1	**AN 2/30**
			Free-form text for city name			
			Seller City			
M	N402	156	**State or Province Code**	M	1	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency			
			Seller State			
M	N403	116	**Postal Code**	M	1	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
			Seller Zip Code			

Segment:	**YNQ** Yes/No Question HDA
Position:	3350
Loop:	HL Optional
Level:	Detail
Usage:	**Mandatory**
Max Use:	10
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:

(TS) Transaction Statement
YNQ**Y***Seller has complied with each applicable subsection of FDCA Sec. 581(27)(A)–(G).***99*TS~

HDA   notes
One YNQ segment is used to communicate the Transaction Statement.
- Use of this shipment level YNQ will show YNQ02 = 'Y', YNQ08 ='99' and YNQ09 = 'TS'
- The YNQ segment has been updated to include the following text in YNQ05: Seller has complied with each applicable subsection of FDCA Sec. 581(27)(A)–(G).

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	YNQ02	1073	**Yes/No Condition or Response Code**	M	1	**ID 1/1**
			Code indicating a Yes or No condition or response			
			Y Yes			
M	YNQ05	933	**Free-form Message Text**	M	1	**AN 1/264**
			Free-form message text			
M	YNQ08	1270	**Code List Qualifier Code**	M	1	**ID 1/3**

Code identifying a specific industry code list

	99	Purpose Code

Codes that inform the material owner why an inventory balance is being reserved

M	YNQ09	1271	**Industry Code**		M	1	AN 1/30

Code indicating a code from a specific industry code list

	TS	Transaction Statement

Segment:	**YNQ** Yes/No Question HDA
Position:	3350
Loop:	HL Optional
Level:	Detail
Usage:	**Mandatory**
Max Use:	10
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:	**(TS) Transaction Statement**

YNQ**Y***As indicated below, product was purchased directly from the manufacturer, manufacturer's exclusive distributor or repackager who purchased directly from a manufacturer.***99*DPS~

HDA Notes: The YNQ02 should have a value of Y which indicates that Direct Purchase Statement details are available at the item level.

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes	
M	YNQ02	1073	**Yes/No Condition or Response Code**	M	1	ID 1/1	

Code indicating a Yes or No condition or response

	Y	Yes

M	YNQ05	933	**Free-form Message Text**	M	1	AN 1/264

Free-form message text

	YNQ06	933	**Free-form Message Text**	O	1	AN 1/264

Free-form message text

	YNQ07	933	**Free-form Message Text**	O	1	AN 1/264

Free-form message text

M	YNQ08	1270	**Code List Qualifier Code**	M	1	ID 1/3

Code identifying a specific industry code list

	99	Purpose Code

Codes that inform the material owner why an inventory balance is being reserved

M	YNQ09	1271	**Industry Code**	M	1	AN 1/30

Code indicating a code from a specific industry code list

	DPS	Direct Purchase Statement

	Segment:	**HL** Hierarchical Order Level
	Position:	0100
	Loop:	HL Optional
	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: HL*2*1*O*1~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	734	**Hierarchical Parent ID Number**	O	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			O Order			
M	HL04	736	**Hierarchical Child Code HDA**	M	1	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** Rite Aid Purchase Order Reference
	Position:	0500
	Loop:	HL Optional
	Level:	Detail
	Usage:	**Mandatory**
	Max Use:	1
	Purpose:	To provide reference to a specific purchase order

Semantic Notes: 1   PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: PRF*6044444***20131230~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	PRF01	324	**Purchase Order Number**	M	1	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser			
			Rite Aid's PO Number			
	PRF02	328	**Release Number**	O	1	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction			
	PRF04	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			

Segment: **REF** Reference Information HDA
Position: 1500
Loop: HL   Optional
Level: Detail
Usage: **Mandatory**
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: REF*IV*999999999~
      REF*VN*999999999~
      Invoice Number should be sent at order level if more than one PO is sent on the ASN.
      Required by Rite Aid.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			IV Seller's Invoice Number			
	REF02	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **DTM** Date/Time Reference
Position: 2000
Loop: HL   Optional
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	DTM01	374	**Date/Time Qualifier**	O	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			003 Invoice			
	DTM02	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			

Segment:	**HL** Hierarchical Tare Level
Position:	0100
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**HL01**	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	734	**Hierarchical Parent ID Number**	O	1	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	1	ID 1/2

Code defining the characteristic of a level in a hierarchical structure

T   Shipping Tare

	HL04	736	**Hierarchical Child Code**	O	1	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 Information
	Position:	1900
	Loop:	HL Optional
	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 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:	MAN*GM*0123456789~ The MAN segment should only contain numbers used for logistical purposes [to track containers].

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
MAN01	88	**Marks and Numbers Qualifier**	O	1	ID 1/2

Code specifying the application or source of Marks and Numbers (87)

GM   EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier

MAN02	87	**Marks and Numbers**	O	1	AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

	Segment:	**HL** Hierarchical Pack Level
	Position:	0100
	Loop:	HL Optional
	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: HL*4*2*P*1~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	734	**Hierarchical Parent ID Number**	O	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			P Pack			
M	HL04	736	**Hierarchical Child Code**	M	1	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 Information
Position: 1950
Loop: HL   Optional
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: MAN*GM*00103003339876543218~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	MAN01	**88**	**Marks and Numbers Qualifier**	**O**	**1**	**ID 1/2**
			Code specifying the application or source of Marks and Numbers (87)			
			GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier			
	MAN02	**87**	**Marks and Numbers**	**O**	**1**	**AN 1/48**
			Marks and numbers used to identify a shipment or parts of a shipment			

Segment:	**HL** Hierarchical Item Level	
Position:	0100	
Loop:	HL Optional	
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:	HL*5*4*I*0~	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**HL01**	**628**	**Hierarchical ID Number**	**M**	**1**	**AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	**734**	**Hierarchical Parent ID Number**	**O**	**1**	**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**	**1**	**ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure			
			I Item			
M	**HL04**	**736**	**Hierarchical Child Code**	**M**	**1**	**ID 1/1**
			Code indicating if there are hierarchical child data segments subordinate to the level being described			

	Segment:	**LIN** Item Identification
	Position:	0200
	Loop:	HL Optional
	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: **(TI) Transaction Information**

LIN**VC*9999999999*ND*05553333222*LT*BR109876~

LIN**VC*9999999999*ND*05553333222*UI*12345678901~

Lot Number is Mandatory for the Manufacturer but Optional for Wholesalers and may be sent either in the LIN segment or REF segment at detail level. In the event there are more than one lot number Per NDC, Send the lot number in the REF Segment. Do not send duplicate NDC numbers.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	LIN01	**350**	**Assigned Identification**	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
M	**LIN02**	**235**	**Product/Service ID Qualifier**	M	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			VC Vendor's (Seller's) Catalog Number			
			HDA Recommended			
M	**LIN03**	**234**	**Product/Service ID**	M	1	AN 1/48
			Identifying number for a product or service			
			Rite Aid's Item Number			
	LIN04	**235**	**Product/Service ID Qualifier**	O	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			ND National Drug Code (NDC)			

LIN05	234	**Product/Service ID**	O	1	AN 1/48

Identifying number for a product or service

LIN06	235	**Product/Service ID Qualifier**	X	1	ID 2/2

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

LT	Lot Number
UI	U.P.C. Consumer Package Code (1-5-5)

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

Identifying number for a product or service

Segment:	**SN1** Item Detail (Shipment)
Position:	0300
Loop:	HL Optional
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.
	2 SN105 is quantity ordered.
Comments:	1 SN103 defines the unit of measurement for both SN102 and SN104.
Notes:	**(TI) Transaction Information**
	SN1**50*EA*****AC~
	This segment can be used to communicate number of containers for Transaction Information for DSCSA.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	SN102	382	**Number of Units Shipped**	M	1	R 1/10

Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

	Ref. Des.	Data Element	Name		Attributes	
M	SN103	355	**Unit or Basis for Measurement Code**	M	1	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		
		Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle		
	UN	Unit		
	VI	Vial		

SN108	**668**	**Line Item Status Code**	**O**	**1**	**ID 2/2**

Code specifying the action taken by the seller on a line item requested by the buyer

AC	Item Accepted and Shipped
BP	Item Accepted - Partial Shipment, Balance Backordered
IB	Item Backordered
IC	Item Accepted - Changes Made
ID	Item Deleted
IE	Item Accepted, Price Pending
IH	Item on Hold
IP	Item Accepted - Price Changed
IQ	Item Accepted - Quantity Changed
IS	Item Accepted - Substitution Made
IW	Item on Hold-Waiver Required
R2	Item Rejected, Invalid Item Product Number
R3	Item Rejected, Invalid Unit of Issue

Segment:	**SLN** Subline Item Detail	
Position:	0400	
Loop:	HL	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1000	
Purpose:	To specify product subline detail item data	
Syntax Notes:	**1**	If either SLN04 or SLN05 is present, then the other is required.
	2	If SLN07 is present, then SLN06 is required.
	3	If SLN08 is present, then SLN06 is required.
	4	If either SLN09 or SLN10 is present, then the other is required.
	5	If either SLN11 or SLN12 is present, then the other is required.
	6	If either SLN13 or SLN14 is present, then the other is required.
	7	If either SLN15 or SLN16 is present, then the other is required.
	8	If either SLN17 or SLN18 is present, then the other is required.
	9	If either SLN19 or SLN20 is present, then the other is required.
	10	If either SLN21 or SLN22 is present, then the other is required.
	11	If either SLN23 or SLN24 is present, then the other is required.
	12	If either SLN25 or SLN26 is present, then the other is required.
	13	If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	**1**	SLN01 is the identifying number for the subline item.
	2	SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3	SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4	SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number.
   Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For
   example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*00001**O******VC*9999999999*ND*05553333222*UI*12345678901~
SLN Segment may be sent in the event of a product substitution or change. Where product id is
the original product.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
SLN01	**350**	**Assigned Identification**	O	1	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set			
SLN03	**662**	**Relationship Code**	O	1	ID 1/1
		Code indicating the relationship between entities			
		O	Information Only		
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
SLN09	**235**	**Product/Service ID Qualifier**	X	1	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		ND	National Drug Code (NDC)		
		UI	U.P.C. Consumer Package Code (1-5-5)		
		VC	Vendor's (Seller's) Catalog Number		
SLN10	**234**	**Product/Service ID**	X	1	AN 1/48
		Identifying number for a product or service			
		Original Product ordered			

Segment: **PO4** Item Physical Details
Position: 0600
Loop: HL   Optional
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 unit of measure of the "Size" identified in the PO402.
			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: | PO4*24*12*OZ***********6~ |

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	PO401	356	**Pack**	O	1	N0 1/6
			The number of inner containers, or number of eaches if there are no inner containers, per outer container			
	PO402	357	**Size**	X	1	R 1/8
			Size of supplier units in pack			
	PO403	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PO414	810	**Inner Pack**	O	1	N0 1/6
			The number of eaches per inner container			

Segment:	**PID** Product/Item Description
Position:	0700
Loop:	HL Optional
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 4 If PID08 is present, then PID04 is required.
	5 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:	**(TI) Transaction Information**
	PID*F****IBUPROFEN TABLETS 300 MG 70~
	This segment can be used to convey product name, strength, dosage form and container size to support Transaction Information for DSCSA.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	PID01	349	**Item Description Type**	M	1	ID 1/1
			Code indicating the format of a description			
			Refer to 005010 Data Element Dictionary for acceptable code values.			

M	PID05	352	Description	M	1	AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	**TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position:	1400
Loop:	HL Optional
Level:	Detail
Usage:	**Mandatory**
Max Use:	5
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes:	**1** At least one of TD401 TD402 or TD404 is required.
	2 If TD402 is present, then TD403 is required.
Semantic Notes:	**1** TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:	
Notes:	Specify if the product is OTC (Over the Counter) , Exempt i.e. (Plasma products, etc.) at item level TD4*OEH
	Specify if the product falls under DSCSA (Drug Supply Chain Security Act) item level TD4*DOC

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	TD401	152	**Special Handling Code**	M	1	ID 2/3

Code specifying special transportation handling instructions

DOC	Documentation – Special	
	Carrier creates special shipper documentation	
OEH	Exempt Commodity	

Segment:	**REF** Lot Number Reference Information
Position:	1500
Loop:	HL Optional
Level:	Detail
Usage:	**Mandatory**
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:	REF*LT*1309084*3.000~
	REF*LT*1309085*6.000~
	Lot Number is Mandatory for the Manufacturer, and may be sent either in the LIN segment or REF segment at detail level. In the event there are more than one lot number Per NDC, Send the lot number in the REF Segment. Do not send duplicate NDC numbers.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			LT Lot Number			
M	REF02	127	**Reference Identification**	M	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			Lot Number			
	REF03	352	**Description**	O	1	AN 1/80
			A free-form description to clarify the related data elements and their content			
			Lot number quantity			

Segment: **DTM** Expiration Date/Time Reference
Position: 2000
Loop: HL   Optional
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: DTM*208*20151230~
The Expiration Date is mandatory if applicable to product.
Date formats - All dates within the ASN use the format as specified in the Data Element Table 373 (CCYYMMDD). This format does not
permit the use of non-numeric characters ("/" or "-").

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			208 Lot Number Expiration			
			HDA Recommended			
M	DTM02	373	**Date**	M	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
			Expiration Date - Mandatory if applicable to product.			

Segment: **N1** Manufacturer Party Identification
Position: 2200
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:	**(TH) Transaction History**
		N1*MF*MANUFACTURE NAME*UL*1234567890123~
		Multiple Distributor Purchase Scenario – Distributor to Distributor – Ship Notice for product sent by a distributor to a subsequent distributor that will ultimately sell to the dispenser, where both distributors are authorized as required under the DSCSA.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual				
			MF	Manufacturer of Goods			
M	N102	93	**Name**	M	1	AN 1/60	
			Free-form name				
M	N103	66	**Identification Code Qualifier**	M	1	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67)				
			UL	Global Location Number (GLN)			
				A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system			
M	N104	67	**Identification Code**	X	1	AN 2/80	
			Code identifying a party or other code				

	Segment:	**N3** Party Location
	Position:	2400
	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:	N3*MANUFACTURER ADDRESS~

Data Element Summary

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

	Segment:	**N4** Manufacturer Geographic Location
	Position:	2500
	Loop:	N1 Mandatory
	Level:	Detail
	Usage:	**Mandatory**

	Max Use:	1
	Purpose:	To specify the geographic place of the named party
Syntax Notes:	1	Only one of N402 or N407 may be present.
	2	If N406 is present, then N405 is required.
	3	If N407 is present, then N404 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:	N4*MANUFACTURER CITY*OH*43017~	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	N401	**19**	**City Name**	O	1	AN 2/30
			Free-form text for city name			
	N402	**156**	**State or Province Code**	X	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
	N403	**116**	**Postal Code**	O	1	ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			

	Segment:	**REF** Manufacturer Reference Information
	Position:	2600
	Loop:	N1 Mandatory
	Level:	Detail
	Usage:	Mandatory
	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:	(TH) Transaction History	
	REF*KK*20131220*31415926~	
	Mandatory if Manufacturer loop is present.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**REF01**	**128**	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			KK Delivery Reference			
	REF02	**127**	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			Manufacturer Shipment date			
	REF03	**352**	**Description**	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			
			Manufacturer Shipment Number			

	Segment:	**YNQ** Yes/No Question

Position:	3350					
Loop:	HL	Optional				
Level:	Detail					
Usage:	Optional					
Max Use:	10					
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:						

(TS) Transaction Statement
YNQ**Y******99*DIR~
A YNQ segment was added:
For items where product was purchased directly:
YNQ02 = 'Y', YNQ08 = '99' and YNQ09 = 'DIR'
For transactions that require an indication that a direct purchase statement has been received:
YNQ02 = 'Y', YNQ08 = '99' and YNQ09 = 'RDPS'

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	YNQ02	1073	**Yes/No Condition or Response Code**	M	1	ID 1/1
			Code indicating a Yes or No condition or response			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	YNQ08	1270	**Code List Qualifier Code**	M	1	ID 1/3
			Code identifying a specific industry code list			
			99 Purpose Code			
			Codes that inform the material owner why an inventory balance is being reserved			
M	YNQ09	1271	**Industry Code**	M	1	AN 1/30
			Code indicating a code from a specific industry code list			
			DIR Product Purchased Directly			
			RDPS Received Direct Purchase Statement			

Segment:	**SE** Transaction Set Trailer	
Position:	0200	
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SE01	96	**Number of Included Segments**	M	1	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	1	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:	**GE** Functional Group Trailer
Position:	0800
Loop:	
Level:	Summary
Usage:	**Mandatory**
Max Use:	1
Purpose:	To indicate the end of a functional group and to provide control information
Syntax Notes:	
Semantic Notes:	1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.
Comments:	1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	GE01	97	**Number of Transaction Sets Included**	M	1	N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
M	GE02	28	**Group Control Number**	M	1	N0 1/9
			Assigned number originated and maintained by the sender			

Segment:	**IEA** Interchange Control Trailer
Position:	1000
Loop:	
Level:	Summary
Usage:	**Mandatory**
Max Use:	1
Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	IEA01	I16	**Number of Included Functional Groups**	M	1	N0 1/5
			A count of the number of functional groups included in an interchange			
M	IEA02	I12	**Interchange Control Number**	M	1	N0 9/9
			A control number assigned by the interchange sender			

Sample Data for Wholesaler or Distributer

Multiple Distributor Purchase Scenario – Distributor to Distributor

```
ISA*00*          *00*          *01*SENDER          *01*014578892RX
*151104*0340*^*00501*200096415*0*P*<~
GS*SH*SENDER*014578892RX*20151104*0340*200096377*X*005010~
ST*856*0001~
BSN*00*7714926046*20151104*0230*0001*AS~
HL*1**S~
TD1*CTN25*1****G*0.2*LB~
REF*BM*7714926046~
DTM*011*20151104~
N1*SF*PORTLAND DC 8173*11*PM0022929~
N3*9700 SW COMMERCE CIRCLE~
N4*WILSONVILLE*OR*97070~
N1*ST*RITE AID 5321*92*05321~
N3*20225 SW TUALATIN VALLEY~
N4*ALOHA*OR*970062398~
N1*BY*RITE AID CORPORATION~
N3*30 HUNTER LANE~
N4*CAMP HILL*PA*17011~
N1*SE*SELLER COMPANY*1*177667227~
N3*1 Post Street~
N4*SAN FRANCISCO*CA*94104~
YNQ**Y***Seller has complied with each applicable subsection of FDCA Sec. 581(27)(A)-(G).***99*TS~
YNQ**Y***As indicated below, product was purchased directly from the manufacturer, manufacturer's exclusive distributor or
repackager who purchased directly from a manufacturer.***99*DPS~
HL*2*1*O*1~
PRF*20151103180505321***20151104~
REF*IV*7714926046~
HL*3*2*P*1~
MAN*GM*4831876~
HL*4*3*I*0~
LIN*22*VC*2151918*ND*16729013600*UI*31672913600~
SN1**2*EA**2*EA**AC~
PID*F****CLONAZEP TAB 0.5MG   ACCO   100@~
TD4*DOC~
N1*MF*ACCORD HEALTHCARE INC     @~
N3*1009 SLATER ROAD STE 210B~
N4*DURHAM*NC*27703~
REF*KK*20151103*123456~
YNQ**Y******99*DIR~
HL*5*3*I*0~
LIN*2*VC*1770171*ND*51672200306*UI*35167220036~
SN1**1*EA**1*EA**AC~
PID*F****CLOTRIMAZ VAG CRM 1% TAR 45GM@~
TD4*OEH~
SE*41*0001~
GE*1*200096377~
IEA*1*200096415~
```

Sample Data for Manufacturer

Direct Purchase Scenario – Manufacturer to Distributor

```
ISA*00*          *00*          *11*MANUF          *01*014578892RX     *151104*112
1*<*00501*000006847*0*P*:.
GS*SH*MANUF*014578892RX*20151104*1121*6847*X*005010.
ST*856*0001.
BSN*00*0807315336*20151104*0000112*0001*DO.
HL*1**S*1.
TD1*CTN*1****G*7.8*LB.
TD5*B*2*UPSN*U*UNITED PARCEL SERVICE*SH.
REF*BM*3010707345.
DTM*011*20151104*1121.
DTM*017*20151105.
```

```
N1*ST*RITE AID 00631*92*00631.
N3*4001 S SALINA ST*Pharmacy.
N4*SYRACUSE*NY*13205-2088.
N1*SF*MANUF Corporation *11*99999999999.
N3*20 20 CRESTRIDGE DR.
N4*SUWANEE*GA*30024-3584.
N1*BY*VAX SERVE INC - VARIVAX*92*68027.
N3*50 STAUFFER INDUSTRIAL PARK.
N4*TAYLOR*PA*18517-9601*US.
N1*SE*MANUF Corporation.
N3*One MANUF Drive.
N4*Whitehouse Station*NJ*08889-0100*US.
YNQ**Y***MANUF Corporation makes the following statement with regard to
this transaction   Merck is authorized as required under the Drug Supply Chain Se
curity Act.   MANUF Corporation did not knowingly ship a ***99*TS.
YNQ**Y***suspect or illegitimate product. MANUF Corporation has systems and processes in pla
ce to comply with verification requirements under section 582. MANUF Corporation did not kno
wingly provide false transaction information.***99*TS.
HL*2*1*O*1.
PRF*NOPONUM*4500616353**20151103.
REF*IV*3010707345.
HL*3*2*P*1.
MAN*GM*00000031508305298231.
HL*4*3*I.
LIN**ND*00006496341*LT*L031271.
SN1**1*EA*****AC.
PID*F****ZOSTAVAX 0.65ML 10X1 DOSE VIAL.
TD4*DOC.
DTM*036*20161119.
CTT*4.
SE*35*0001.
GE*1*6847.
IEA*1*000006847.
```