

856 Advance Ship Notice

ANSI X12-4010
Supplier Implementation Guide
Document Version 2.1
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CVSHealth is starting an initiative to mandate ASN compliance. It is important that your organization build and maintain an 856/ASN document compliant with this specification as non-compliant ASNs will be fined.

Please direct any questions and coordinate testing with CVSHealth EDI/B2B at [EDI ASN Onboarding@cvshealth.com](mailto:EDI_ASN_Onboarding@cvshealth.com).

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

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

Heading:

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

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		c1
M	110	TD1	Carrier Details (Quantity and Weight) - SHIPMENT LEVEL	M	>1		
M	120	TD5	Carrier Details (Routing Sequence/Transit Time) - SHIPMENT LEVEL	M	>1		
	130	TD3	Carrier Details (Equipment) - SHIPMENT LEVEL	O	>1		
M	150	REF	Reference Identification - SHIPMENT LEVEL	M	>1		
M	200	DTM	Date/Time Reference - SHIPMENT LEVEL	M	>1		
M	210	FOB	F.O.B. Related Instructions	M	1		
			LOOP ID - N1			200	
Must Use	220	N1	Name - SHIP FROM - SHIPMENT LEVEL	O	1		
	240	N3	Address Information - SHIPMENT LEVEL	O	2		
Must Use	250	N4	Geographic Location - SHIPMENT LEVEL	O	1		
			LOOP ID - N1			200	
Must Use	220	N1	Name - SHIP TO - SHIPMENT LEVEL	O	1		
	240	N3	Address Information - SHIPMENT LEVEL	O	2		
Must Use	250	N4	Geographic Location - SHIPMENT LEVEL	O	1		
M	010	HL	Hierarchical Level - ORDER LEVEL	M	>1		
M	050	PRF	Purchase Order Reference - ORDER LEVEL	M	>1		

M	150	REF	Reference Identification - ORDER LEVEL	M	>1
M	010	HL	Hierarchical Level - TARE LEVEL (If Shipping Pallets)	M	>1
M	190	MAN	Marks and Numbers - TARE LEVEL	M	>1
	215	PAL	Pallet Information - TARE LEVEL	O	1
M	010	HL	Hierarchical Level - PACK LEVEL	M	1
	020	LIN	Item Identification - PACK LEVEL	O	1
M	190	MAN	Marks and Numbers - PACK LEVEL	M	>1
M	010	HL	Hierarchical Level - ITEM LEVEL	M	1
M	020	LIN	Item Identification - ITEM LEVEL	M	1
M	030	SN1	Item Detail (Shipment) - ITEM LEVEL	M	1
Must Use	060	PO4	Item Physical Details - ITEM LEVEL	O	1
Must Use	070	PID	Product/Item Description - ITEM LEVEL	O	200
Must Use	200	DTM	Date/Time Reference - ITEM LEVEL	O	10

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	010	CTT	Transaction Totals	O	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 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

- 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:

Data Element Summary

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

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: 1 If BSN07 is present, then BSN06 is required.
Semantic Notes: 1 BSN03 is the date the shipment transaction set is created.
 2 BSN04 is the time the shipment transaction set is created.
 3 BSN06 is limited to shipment related codes.
Comments: 1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	BSN01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
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	
	BSN03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			Document create date	
	BSN04	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	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	
			Code Name	
			0001 Shipment, Order, Packaging, Item (if SOTI-formatted ASN)	
			0003 Shipment, Packaging, Order, Item (if STOI-formatted ASN)	
			0004 Shipment, Order, Item	

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
	HL04	736	Hierarchical Child Code Code indicating if there are hierarchical child data segments subordinate to the level being described	O ID 1/1
			1 Additional Subordinate HL Data Segment in This Hierarchical Structure	

Segment: **TD1** Carrier Details (Quantity and Weight) - SHIPMENT LEVEL
Position: 110
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:

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

Semantic Notes:

Comments:

Notes: TD1*CTN*101****G*2555.113*LB*1728*CF~

Data Element Summary

Ref.	Data	Data Element Summary	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD101	103	Packaging Code	O 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	
		TBN Tote / Bin	
		PLT is applicable to all Non-RX warehouse shipments. The other codes may apply to RX items and Store shipments.	
Must Use	TD102	80 Lading Quantity	X N0 1/7
		Number of units (pieces) of the lading commodity	
	TD106	187 Weight Qualifier	O ID 1/2
		Code defining the type of weight	
		G Gross Weight	
	TD107	81 Weight	X R 1/10
		Numeric value of weight	
	TD108	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		LB Pound	
	TD109	183 Volume	X R 1/8
		Value of volumetric measure	
	TD110	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CF Cubic Feet Only	

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time) - SHIPMENT LEVEL
Position: 120
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.
- 5 If TD513 is present, then TD512 is required.
- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

Semantic Notes:

- 1 TD515 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: TD5*B*2*RBTW*M*Old Dominion Frieght Line~

Data Element Summary

Ref.	Data	Data Element Summary	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD501	133	Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		B Origin Carrier (Any)	
TD502	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		2 Standard Carrier Alpha Code (SCAC)	
Must Use	TD503	Identification Code	X AN 2/80
		Code identifying a party or other code	
		Standard Carrier Abbreviation Code (SCAC)	
Must Use	TD504	Transportation Method/Type Code	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		A Air	
		AE Air Express	
		M Motor (Common Carrier)	
		R Rail	
		S Ocean	
		SR Supplier Truck	
		U Private Parcel Sevice	
		X Intermodal (Piggyback)	
TD505	387	Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
		Carrier's Identity	

Segment: **TD3** Carrier Details (Equipment) - SHIPMENT LEVEL
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation details relating to the equipment used by the carrier
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: TD3*TL**1234567890~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
TD301	40	Equipment Description Code Code identifying type of equipment used for shipment CN Container CZ Refrigerated Container RT Controlled Temp Trailer (Reefer) TL Trailer (not otherwise specified) VE Vessel, Ocean	X ID 2/2
TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) Trailer Number / Air Bill Number	X AN 1/10

Segment: **REF** Reference Identification - SHIPMENT LEVEL
Position: 150
Loop: HL 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: A total of three REF segments may be used within this loop, as defined below. The Bill of Lading Number is mandatory. A Carrier Reference Number (PRO/Invoice) and an additional tracking number may also be provided optionally.

 Example:

 REF*BM*78954132~
 REF*CN*14783516~
 REF*2I*1238796~

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BM Bill of Lading Number - Provide Bill of Lading else alternate reference - Mandatory	
			CN Carrier's Reference Number (PRO/Invoice) - If Applicable	
			2I Tracking Number (Optional) - If Applicable	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Bill of Lading Number, if REF01 = BM	
			Carrier's Reference Number, if REF01 = CN	
			Tracking Number, if REF01 = 2I (Optional)	

Segment: **DTM** Date/Time Reference - SHIPMENT LEVEL
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
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: The Date Shipped and Current Scheduled Delivery Date should be provided in two reoccurring DTM segments.

Example:
 DTM*011*20170130~
 DTM*067*20170202~

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>M</u> <u>ID</u> <u>3/3</u>
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Date Shipped 067 Current Scheduled Delivery Date	
Must Use	DTM02	373 Date Date expressed as CCYYMMDD	X DT 8/8
	DTM03	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Format: HHMMSS	X TM 4/8

Segment: **FOB** F.O.B. Related Instructions
Position: 210
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying the title passage location.
- 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes
M	FOB01	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC Collect	
		PP Prepaid (By Seller)	
		PB Customer Pickup/Backhaul	
	FOB02	Location Qualifier	X ID 1/2
		Code identifying type of location	
		OR Origin (Shipping Point)	
		PS 5-Digit US Zip Code	
		PU 6-Digit Canadian Postal Code	
	FOB03	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		A general, free form message regarding FOB status of the shipment. Example: "At Dock"	
	FOB04	Transportation Terms Qualifier Code	O ID 2/2
		Code identifying the source of the transportation terms	
		02 Trade Terms	
	FOB05	Transportation Terms Code	X ID 3/3
		Code identifying the trade terms which apply to the shipment transportation responsibility	
		FOB Free on Board	

Segment: **N1** Name - SHIP FROM - SHIPMENT LEVEL
Position: 220
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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: The Ship From location information should be the DEA number for Rx products. For Nox RX, DUNS Nuber (or DUNS +4) should be used.

 Example:
 N1*SF*BRICKS & MORTAR CO*9*0309999234569~
 N1*SF*COGEN PHARMA*11*ZZ3897564~

 Ship From N1-N2-N3-N4

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SF Ship From	M ID 2/3
Must Use	N102	93	Name Free-form name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA)	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code DUNS, DUNS+4, or DEA as per N103 qualifier. Generally, non-Rx utilize DUNS variations while Rx use DEA. If there is a case where a DUNS is utilized for a Rx item, then the DEA should be provided in the N2 segment. The DUNS is required for our logistics partner, Descartes	X AN 2/80

Segment: N3 Address Information - SHIPMENT LEVEL
Position: 240
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: N3*219 MAIN ST*BACK DOOR~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	O AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location - SHIPMENT LEVEL**
Position: 250
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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*60614~

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
N401	19	City Name	O AN 2/30	
		Free-form text for city name		
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)		
N404	26	Country Code	O ID 2/3	
		Code identifying the country		

Segment: **N1 Name - SHIP TO - SHIPMENT LEVEL**

Position: 220

Loop: N1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

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: CVS Ship To locations may include warehouse or store information depending on the nature of order fulfillment. The DEA number should be used for Rx warehouse shipments and the CVS Warehouse code for non-RX. Non-Rx store deliveries should include the CVS store number while Rx deliveries should include both the store number (N1) and related DEA number (N2).

The GS1-US Global Location Number (GLN) will also be available for use for both warehouse and store locations in the future. CVS EDI will notify the partner community when those codes are available for use. GLN to be populated in the following N2 segment.

Examples:
 Warehouse, RX: N1*ST*CVS*11*RC0314891~
 Warehouse, non-RX: N1*ST*CVS*54*I202~
 Store, RX & non-RX: N1*ST*CVS 5729*92*05729~
 Ship To N1-N2-N3-N4

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
Must Use	N102	93	Name Free-form name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 11 Drug Enforcement Administration (DEA) 54 Warehouse Number 92 CVS Store Number	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

DUNS, DUNS+4, DEA Number, CVS Warehouse, or Store Number as per N103 qualifier. Generally, non-Rx utilize DUNS variations while Rx use DEA

54 - Warehouse Code

11 - DEA for RX Suppliers

If there is a case where a DUNS is utilized for a Rx item, then the DEA should be provided in the N2 segment.

Please refer to cvssuppliers.com Distribution Center ID Table for the warehouse codes and DEA numbers - <https://cvssuppliers.com/distribution-center-id-ref>

Segment: **N3** Address Information - SHIPMENT LEVEL
Position: 240
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: N3*100 CVS Center Dr ~

Example: N3*100 CVS Center Dr ~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	O AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location - SHIPMENT LEVEL**
Position: 250
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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*WOONSOCKET*RI*02895~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

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**O*1~

Data Element Summary

Ref.	Data Element	Name	Attributes
M	HL01	Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
	HL02	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	Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		O Order	
	HL04	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 - ORDER LEVEL
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:

Semantic Notes:
 1. PRF04 is the date assigned by the purchaser to purchase order.
 Example: PRF*1234567***20140130~

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PRF01	324 Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
		CVSHealth Purchase Order 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	
	PRF04	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
		Original Purchase Order Date	

Segment: **REF** Reference Identification - ORDER LEVEL
Position: 150
Loop: HL 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:

CVS Vendor Number

Examples:
 CVS Vendor Number, REF*VN*99999

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			VN or VR CVS Vendor Number	
Must Use	REF02	127	Reference Identification	O AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			CVS Vendor Number as aligned to the REF01	

Segment: **HL** Hierarchical Level - TARE LEVEL (If Shipping Pallets)
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*3*2*T*1~

Data Element Summary

Ref.	Data Element	Name	Attributes
M	HL01	Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
	HL02	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	Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		T Shipping Tare - Mandatory for Shipping Pallets	
	HL04	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 - TARE LEVEL
Position:	190
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	>1
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	<ol style="list-style-type: none"> 1 If either MAN04 or MAN05 is present, then the other is required. 2 If MAN06 is present, then MAN05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<p>Semantic Notes: MAN segment should only contain numbers used for logistical purposes [to track containers].</p> <p>Example: MAN*GM*03094400000000045~</p>

Data Element Summary

Ref.	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	
		(http://cvssuppliers.com/asn-advanced-ship-notice-and-gs1-128-label-requirements)	
M	MAN02	87 Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
		Must match SSCC-18 number that is sent on shipping label	

Segment: **PAL** Pallet Information - TARE LEVEL
Position: 215
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

Syntax Notes:

- 1 If either PAL05 or PAL06 is present, then the other is required.
- 2 If PAL07 is present, then PAL10 is required.
- 3 If PAL08 is present, then PAL10 is required.
- 4 If PAL09 is present, then PAL10 is required.
- 5 If PAL10 is present, then at least one of PAL07 PAL08 or PAL09 is required.
- 6 If either PAL11 or PAL12 is present, then the other is required.
- 7 If either PAL13 or PAL14 is present, then the other is required.

Semantic Notes:

- 1 PAL04 (Pack) is the number of pieces on the pallet.
- 2 PAL05 (Unit Weight) is the weight of the pallet alone, before loading.
- 3 PAL07 and PAL08 (Length and Width) are the dimensions of the pallet before loading.
- 4 PAL09 (Height) is the height of the pallet and load.
- 5 PAL11 and PAL13 (Gross Weight and Gross Volume) are measured after loading and includes the pallet.

Comments:

Notes: Note that the pallet dimensional/cube information should reflect the loaded pallet related to this shipment (not of the empty pallet).

PAL*6*4*42*136*****6*FT*824.268*LB*21.973*LB*5~

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PAL01	883	Pallet Type Code Code indicating the type of pallet 6 Wood	O ID 1/2
PAL02	884	Pallet Tiers The number of layers per pallet	O N0 1/3
PAL03	885	Pallet Blocks The number of pieces (cartons) per layer on the pallet	O N0 1/3
PAL04	356	Pack The number of inner containers, or number of eaches if there are no inner containers, per outer container Number of shipping containers on pallet.	O N0 1/6
PAL05	395	Unit Weight Numeric value of weight per unit Numeric value of weight of pallet.	X R 1/8
PAL06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pounds	X ID 2/2
PAL07	82	Length	X R 1/8

		Largest horizontal dimension of an object measured when the object is in the upright position	
PAL08	189	Width	X R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
PAL09	65	Height	X R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
PAL10	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		IN Inches	
		FT Foot	
		MR Meter	
PAL15	399	Pallet Exchange Code	O ID 1/1
		Code specifying pallet exchange instructions	
		1 No Exchange/No Return	
		2 Exchange Pallets	
		3 Return Pallets	
		4 Pallets To Be Purchased By Customer	
		5 Third Party Pallet Exchange	

Segment: **HL** Hierarchical Level - PACK 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 - Only if using SOPI format

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: Use only if not sending Tare Level

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

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
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	
	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	
			P Pack - Mandatory if case only (no pallets) - Used for SOPI format	
	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 - PACK LEVEL
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: Mandatory field if not sending Tare Level

Notes: Case could be a homogeneous sku, full case or heterogeneous master pack

Example UPC: LIN**UA*121234512345*UI*11234512345*VC*AC25978~

Example RX Order: LIN**UA*121234512345*ND*556677895*VC*4456633213~

Example Master Pack: LIN*UA*121234512345~

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product / Service ID (234)	
		UA U.P.C./EAN Case Code (2-5-5)	
		or	
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)	
		Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)	
M	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	
		UPC/EAN case or container code as appropriate, aligned with LIN 02	

LIN04	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ND National Drug Code (NDC) if Rx		
		UI U.P.C. Consumer Package Code (1-5-5) if non-Rx		
LIN05	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		UPC or NDC number as appropriate, aligned with LIN 02		
LIN06	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VC Vendor's (Seller's) Catalog Number		
LIN07	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		Vendor Catalog Number		
LIN08	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		LT Lot Number (This ID is mandatory for Rx DSCSA Shipment at all levels as appropriate for the product...Pack, Inner Pack, Item.)		
LIN09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		Product Lot Number		

Segment: **MAN** Marks and Numbers - PACK LEVEL

Position: 190

Loop: HL Mandatory

Level: Detail

Usage: Mandatory

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*00123456789098765432~
The MAN segment at the Pack Level is only required when not sending the Tare Level

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			GM SSCC-18 and Application Identifier	
			AI Case UPC	
M	MAN02	87	Marks and Numbers	M AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
			Must match SSCC-18 number that is sent on shipping label	

Segment: **HL** Hierarchical Level - ITEM 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*5*4*I*0~

Data Element Summary

Ref.	Data Element	Name	Attributes
M	HL01	Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
	HL02	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	Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		I Item	
	HL04	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 - ITEM LEVEL
Position:	020
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<p>There are a multitude of product identifiers that may be appropriate for your relationship with CVSHealth, please provide all that apply. For instance, UPC/NDC and case UPC are generally used for all products and are considered mandatory and optional/must use respectively. However, for vendors who provide an 832 product catalog, those fields should be provided.</p> <p>Example: LIN**UI*11234512345*UA*123654987189*PI*109876*VN*123456*VC*PC6789456 ~</p>

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	
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) UI U.P.C. (1-5-5), if non-RX item UD U.P.C./EAN (2-5-5), if non-RX item ND NDC, if RX item	
M	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service Align with qualifier in LIN 01: UPC Code (1-5-5) or EAN/UPC Code (2-5-5) if non-RX item NDC if RX	

LIN04	235	Product/Service ID Qualifier	X	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) If you have provided the Pack Level information please provide case UPC UA U.P.C./EAN Case Code (2-5-5) or UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
LIN05	234	Product/Service ID	X	AN 1/48	Identifying number for a product or service UPC/EAN case or container code as appropriate, aligned with LIN 02
LIN06	235	Product/Service ID Qualifier	X	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) PI Purchaser's (CVS Health) Item Number
LIN07	234	Product/Service ID	X	AN 1/48	Identifying number for a product or service CVS Health Item Number
LIN08	235	Product/Service ID Qualifier	X	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor Item Number
LIN09	234	Product/Service ID	X	AN 1/48	Identifying number for a product or service Vendor's Item Number
LIN10	235	Product/Service ID Qualifier	X	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) VC Vendor (Seller's) Catalog Number, if different than Vendor Item Number. If provided, must align with any 832/Product Catalog EDI documents sent to CVS Health.
LIN11	234	Product/Service ID	X	AN 1/48	Identifying number for a product or service Vendor's Catalog Number, if different than Vendor Item Number. Must align with any 832/Product Catalog EDI documents sent to CVS Health.
LIN12	235	Product/Service ID Qualifier	X	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234) LT Lot Number - must use for Rx - DSCSA
LIN13	234	Product/Service ID	X	AN 1/48	Identifying number for a product or service Lot Number must use for RX - DSCSA

Segment: **SN1** Item Detail (Shipment) - ITEM LEVEL
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: Example: SN1**25*CA*25*50*CA~

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SN101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set ASN Line Number or Original PO Line Number, as referenced in LIN01	
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 This value should equate to the units shipped, normally cases or eaches.	
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 Use any appropriate code from data element 355, as expected by CVSHealth. For most non-RX shipments, 'CA' is preferred in the SN1 segment and the Case Pack and Item information in the following PO4 segment. CA Case DZ Dozen EA Each PC Piece SP Shelf Package - used for RX only PK Pack	
	SN104	646 Quantity Shipped to Date	O R 1/15
		Number of units shipped to date For Partial Orders.	
	SN105	330 Quantity Ordered	X R 1/15
		Quantity ordered Quantity Ordered on Original CVS Health PO	
	SN106	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case DZ Dozen EA Each PC Piece SP Shelf Package - used for RX only PK Pack	

Segment: **PO4** Item Physical Details - ITEM LEVEL

Position: 060

Loop: HL Mandatory

Level: Detail

Usage: Optional (Must Use)

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:

Examples:

```
PO4*8*8*EA*PCS*G*1.86*OZ*2*CI*4*1.5*1*IN*****96~
PO4*8***PCS*****96~
PO4*12*12*CA*CAS*G*5*OZ*25*CC*12*12*22*MM*****10~
```

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PO401	356 Pack	O N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container Case Pack (Number of Actual Sellable Eaches). The case pack should represent the same value that was provided on the original PO. If your system stores the case pack differently, be sure to include the count of the inner pack in the case pack value. See example. Example: 1) Each case has four units within. Case Pack= 4 2) Each case has four inner cartons. Each inner carton in turn has two selleable units. Case Pack = 8 Displays should be CA - Pack of 1	
	PO402	357 Size	X R 1/8

			Size of supplier units in pack		
	PO403	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			CA Case		
			DZ Dozen		
			EA Each		
			PC Piece		
			SP Shelf Package - Used for RX only		
Must Use	PO404	103	Packaging Code	X	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		
			PCS - Pieces		
			This value is related to the number of sellable Eachs/Units in the outer Case/Shipping Container, regardless of Packs or Inner Packs (Case Total) provided in PO4 18.		
	PO405	187	Weight Qualifier	O	ID 1/2
			Code defining the type of weight		
			G Gross Weight		
	PO406	384	Gross Weight per Pack	X	R 1/9
			Numeric value of gross weight per pack		
	PO407	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			LB Pound		
			OZ Ounce		
	PO408	385	Gross Volume per Pack	X	R 1/9
			Numeric value of gross volume per pack		
	PO409	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			CC Cubic Centimeter		
			CF Cubic Feet		
			CI Cubic Inches		
	PO410	82	Length	X	R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position		
	PO411	189	Width	X	R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
	PO412	65	Height	X	R 1/8
			Vertical dimension of an object measured when the object is in the upright position		
	PO413	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

Must Use	PO418	1470	CM Centimeter	
			IN Inch	
			MM Millimeter	
			Number	O N0 1/9
			A generic number	
			Total number of sellable units on the tare/pallet.	

- Segment:** **PID** Product/Item Description - ITEM LEVEL
- Position:** 070
- Loop:** HL Mandatory
- Level:** Detail
- Usage:** Optional (Must Use)
- 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****IBUPROFEN TABLETS 300 MG 70~

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
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	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			The description should contain prescription (Rx) drug product information, such as product name, strength, dosage form, and container size.	

Segment: **DTM** Date/Time Reference - ITEM LEVEL
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
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: Must use for DSCSA Compliance, may be used for non-Rx products if appropriate. Should align with the Lot Number provided in LIN segment.

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

Examples:
 DTM*036*20140225~
 DTM*208*20140225~

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
DTM01	374	Date/Time Qualifier	O ID 3/3
		Code specifying type of date or time, or both date and time	
		036 Expiration	
		HDMA/DSCSA ASNs should use '208' qualifier for Lot Number Expiration.	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>M</u> <u>N0</u> <u>1/6</u>
M	354 Number of Line Items Total number of line items in the transaction set	

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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
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	