

# 856 Advance Ship Notice

ANSI X12-4010

Vendor Implementation Guide

Document Version 3.1

February 2026

CVS Health has initiated an ASN mandate for all suppliers sending shipments into our DCs. It is important that your organization build and maintain an 856/ASN document compliant with this specification as non-compliant ASNs will be subject to penalties. We issue 997 FA as accepted/rejected and utilize the 824 Application Advice for errors and missing segments. Please direct any questions or to coordinate testing with CVS Health 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>
						1	
						200	
M	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		
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		
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 - SHIPMENT LEVEL	M	1		
						200	
Must Use	220	N1	Name - SHIP FROM - SHIPMENT LEVEL	O	1		
Must Use	240	N3	Address Information - SHIPMENT LEVEL	O	2		
Must Use	250	N4	Geographic Location - SHIPMENT LEVEL	O	1		
Must Use	270	PER	Administrative Communications Contact - SHIPMENT LEVEL	O	3		
						200	
Must Use	220	N1	Name - SHIP TO - SHIPMENT LEVEL	O	1		
Must Use	240	N3	Address Information - SHIPMENT LEVEL	O	2		
Must Use	250	N4	Geographic Location - SHIPMENT LEVEL	O	1		
						200000	
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		

LOOP ID - HL			200000			
M	010	HL	Hierarchical Level - TARE LEVEL (If Shipping Pallets)	M	1	c1
M	190	MAN	Marks and Numbers - TARE LEVEL	M	>1	
	215	PAL	Pallet Information - TARE LEVEL	O	1	
LOOP ID - HL			200000			
M	010	HL	Hierarchical Level - PACK LEVEL (If Shipping Cartons)	M	1	
	020	LIN	Item Identification - PACK LEVEL	O	1	
M	190	MAN	Marks and Numbers - PACK LEVEL	M	>1	
LOOP ID - HL			200000			
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.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **BSN** Beginning Segment for Ship Notice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set  
**Syntax Notes:** 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BSN01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original	M ID 2/2
M	BSN02	396	<b>Shipment Identification</b> A unique control number assigned by the original shipper to identify a specific shipment Vendor Bill of Lading number or other shipment identifier	M AN 2/30
Must Use	BSN03	373	<b>Date</b> Date expressed as CCYYMMDD Document create date	O DT 8/8
Must Use	BSN04	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
Must Use	BSN05	1005	<b>Hierarchical Structure Code</b> 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 * Used for Shipment-Order-Pack-Item (SOPI) 0003 Shipment, Packaging, Order, Item * Used for Shipment-Order-Tare-Item (SOTI). SPOI is NOT supported.	O ID 4/4

**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**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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	
M	HL03	735 Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		S Shipment	
	HL04	736 Hierarchical Child Code	O ID 1/1
		Code indicating if there are hierarchical child data segments subordinate to the level being described	
		1 Additional Subordinate HL Data Segment in This Hierarchical Structure.	

**Segment:** **TD1** Carrier Details (Quantity and Weight) - 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TD101	103	<b>Packaging Code</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required PLT is applicable to all Non-RX warehouse shipments. CTN may apply to RX items and Store shipments. CTN Carton Carton count when small parcel PLT Pallet Pallet count when LTL / TL	O AN 3/5
Must Use	TD102	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity expressed as a whole number (no decimals).	X N0 1/7
Must Use	TD106	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	O ID 1/2
Must Use	TD107	81	<b>Weight</b> Numeric value of weight	X R 1/10
Must Use	TD108	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	X ID 2/2
Must Use	TD109	183	<b>Volume</b> Value of volumetric measure	X R 1/8
Must Use	TD110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CF Cubic Feet	X ID 2/2

**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\*ODFL\*M\*Old Dominion Freight Line~

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
TD501	133	<b>Routing Sequence Code</b>		O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement		
		B Origin/Delivery Carrier (Any Mode)		
TD502	66	<b>Identification Code Qualifier</b>		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	67	<b>Identification Code</b>	X AN 2/80
		Code identifying a party or other code		
		Standard Carrier Abbreviation Code (SCAC)		
Must Use	TD504	91	<b>Transportation Method/Type Code</b>	X ID 1/2
		Code specifying the method or type of transportation for the shipment		
		M Motor (Common Carrier)		
		SR Supplier Truck		
		U Private Parcel Service		
TD505	387	<b>Routing</b>		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:** **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 two REF segments may be used within this loop, as defined below.

The Bill of Lading Number is MANDATORY.

A Carrier Reference Number (PRO/Invoice) may also be provided optionally.

Example:

REF\*BM\*78954132~ (MANDATORY)

REF\*CN\*14783516~

#### 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	
			MANDATORY	
			CN Carrier's Reference Number (PRO/Invoice)	
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, when REF01 = BM	
			Carrier's Reference Number, when REF01 = CN (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 must be provided in two reoccurring DTM segments.

Example:

DTM\*011\*20170130~

DTM\*067\*20170202~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
			067 Current Schedule Delivery	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

**Segment:** **FOB** F.O.B. Related Instructions - SHIPMENT LEVEL  
**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	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FOB01	146 Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC Collect	
		PB Customer Pick-up/Backhaul	
		PP Prepaid (by Seller)	

**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:** Consider this a mandatory segment which must be sent.  
  
 The Ship From location information should be the DEA number for Rx products. For Non-RX, DUNS Number (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

Ref.	Data Element	Name	Attributes
M	<b>N101</b>	<b>Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		SF Ship From	
Must Use	<b>N102</b>	<b>Name</b>	<b>X AN 1/60</b>
		Free-form name	
Must Use	<b>N103</b>	<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		11 Drug Enforcement Administration (DEA)	
Must Use	<b>N104</b>	<b>Identification Code</b>	<b>X AN 2/80</b>
		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	

**Segment:** N3 Address Information - SHIPMENT LEVEL  
**Position:** 240  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	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:** **PER** Administrative Communications Contact - SHIPMENT LEVEL  
**Position:** 270  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** Contact information is Required for Shipping, EDI and a general Business contact.  
 Up to 3 recurring PER segments can be provided, Only EA is mandatory.

Example:

PER\*EA\*EDI SUPPORT\*TE\*18003217654\*EM\*EDISUPPORT@SUPPLIER.COM~

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	<b>Contact Function Code</b>	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			CN General Contact	
			EA EDI Coordinator	
			SD Shipping Department	
	PER02	93	<b>Name</b>	O AN 1/60
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
	PER04	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
			A valid telephone number must be provided.	
Must Use	PER05	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			EM Electronic Mail	
Must Use	PER06	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
			Group EDI mailbox preferred.	

**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).  
 Example:  
 N1\*ST\*CVS\*54\*I202~

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>M</b>	<b>N101</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual ST Ship To	<b>M ID 2/3</b>
<b>Must Use</b>	<b>N102</b>	<b>93 Name</b> Free-form name	<b>X AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 54 Warehouse	<b>X ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67 Identification Code</b> Code identifying a party or other code 54 - Warehouse Code	<b>X AN 2/80</b>

Please refer to [cvssuppliers.com](https://cvssuppliers.com) Distribution Center ID Table for the warehouse codes - <https://cvssuppliers.com>

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

**Data Element Summary**

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

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:** **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:** PRF04 is the date assigned by the purchaser to purchase order.

Examples:  
 PRF\*1234567\*\*\*20220130~  
 PRF\*0123456\*\*\*20220130~  
 PRF\*0012345\*\*\*20220130~

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data 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	
			Original Purchase Order Number (7-digit numerical only) 850 – BEG03	
Must Use	PRF04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			Original Purchase Order Date (850 – BEG05)	

**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 found on PO

Example: REF\*VN\*39999

Example: REF\*VR\*19999

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification VN Vendor Order Number VR Vendor ID Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier CVS Vendor Number aligned to the REF02*VR in the 850	O AN 1/30

**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	
	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.	

<b>Segment:</b>	<b>MAN</b> Marks and Numbers - TARE LEVEL
<b>Position:</b>	190
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	>1
<b>Purpose:</b>	To indicate identifying marks and numbers for shipping containers
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either MAN04 or MAN05 is present, then the other is required.</li> <li>2 If MAN06 is present, then MAN05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.</li> <li>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.</li> <li>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.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>
<b>Notes:</b>	MAN segment should only contain numbers used for logistical purposes [to track containers].
	Example: MAN*GM*03094400000000045~

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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
				'CVS Routing Guide Instructions Supplement' can be found at <a href="https://cvssuppliers.com">https://cvssuppliers.com</a>
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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PAL01	883	<b>Pallet Type Code</b> Code indicating the type of pallet 6 Wood	O ID 1/2
PAL02	884	<b>Pallet Tiers</b> The number of layers per pallet	O NO 1/3
PAL03	885	<b>Pallet Blocks</b> The number of pieces (cartons) per layer on the pallet	O NO 1/3
PAL04	356	<b>Pack</b> 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 NO 1/6
PAL05	395	<b>Unit Weight</b> Numeric value of weight per unit Numeric value of weight of pallet.	X R 1/8
PAL06	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	X ID 2/2
PAL07	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position	X R 1/8  X R 1/8

<b>PAL08</b>	<b>189</b>	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
<b>PAL09</b>	<b>65</b>	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	<b>X R 1/8</b>
<b>PAL10</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>X ID 2/2</b>
		FT                      Foot	
		IN                      Inch	
		MR                      Meter	
<b>PAL15</b>	<b>399</b>	<b>Pallet Exchange Code</b> Code specifying pallet exchange instructions	<b>O ID 1/1</b>
		1                      No Exchange/No Return	
		2                      Exchange Pallets	
		3                      Return Pallets	
		4                      Pallets to be Purchased by Customer	
		5                      Third-Party Pallet Exchange	
		A pallet exchange program where a third party rents pallets for internal or external use	

**Segment:** **HL** Hierarchical Level - PACK LEVEL (If Shipping Cartons)  
**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:** Use only if not sending Tare Level

Example: HL\*4\*3\*P\*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	
		P Pack	
	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.	

<b>Segment:</b>	<b>LIN</b> Item Identification - PACK LEVEL
<b>Position:</b>	020
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic item identification data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LIN04 or LIN05 is present, then the other is required.</li> <li>2 If either LIN06 or LIN07 is present, then the other is required.</li> <li>3 If either LIN08 or LIN09 is present, then the other is required.</li> <li>4 If either LIN10 or LIN11 is present, then the other is required.</li> <li>5 If either LIN12 or LIN13 is present, then the other is required.</li> <li>6 If either LIN14 or LIN15 is present, then the other is required.</li> <li>7 If either LIN16 or LIN17 is present, then the other is required.</li> <li>8 If either LIN18 or LIN19 is present, then the other is required.</li> <li>9 If either LIN20 or LIN21 is present, then the other is required.</li> <li>10 If either LIN22 or LIN23 is present, then the other is required.</li> <li>11 If either LIN24 or LIN25 is present, then the other is required.</li> <li>12 If either LIN26 or LIN27 is present, then the other is required.</li> <li>13 If either LIN28 or LIN29 is present, then the other is required.</li> <li>14 If either LIN30 or LIN31 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 LIN01 is the line item identification
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Dictionary for a complete list of IDs.</li> <li>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.</li> </ol>
<b>Notes:</b>	<p>Mandatory field if not sending Tare Level</p> <p>Notes: Case could be a homogeneous sku, full case or heterogeneous master pack</p> <p>Example: LIN**UA*121234512345~</p>

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
<b>M</b>	<b>LIN02</b>	<b>Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
		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)	
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)	
		A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit	
<b>M</b>	<b>LIN03</b>	<b>Product/Service ID</b>	<b>M AN 1/48</b>
		Identifying number for a product or service	
		UPC/EAN case or container code as appropriate, aligned with LIN 02	

<b>Segment:</b>	<b>MAN</b> Marks and Numbers - PACK LEVEL
<b>Position:</b>	190
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	>1
<b>Purpose:</b>	To indicate identifying marks and numbers for shipping containers
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either MAN04 or MAN05 is present, then the other is required.</li> <li>2 If MAN06 is present, then MAN05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.</li> <li>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.</li> <li>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.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>
<b>Notes:</b>	The MAN segment at the Pack Level is only required when not sending the Tare Level. Example: MAN*GM*00123456789098765432~

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>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	
		'CVS Routing Guide Instructions Supplement' can be found at <a href="https://cvssuppliers.com">https://cvssuppliers.com</a>	
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:**

- 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:**

**Comments:**

- 1 LIN01 is the line item identification
- 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:** 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.

Example:  
LIN\*\*UI\*11234512345\*UA\*123654987189\*PI\*109876\*\*\*\*\*LT\*123456780~

### Data Element Summary

Ref.	Data Element	Name	Attributes
	<b>LIN01</b>	<b>350 Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set ASN Line Number or Original PO Line Number	
<b>M</b>	<b>LIN02</b>	<b>235 Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product / Service ID (234)	
		ND National Drug Code (NDC)	
		PI Purchaser's Item Code	
		UD U.P.C./EAN Consumer Package Code (2-5-5)	
		UI U.P.C. Consumer Package Code (1-5-5)	
<b>M</b>	<b>LIN03</b>	<b>234 Product/Service ID</b>	<b>M AN 1/48</b>
		Identifying number for a product or service Made to match 850 segment PO107 UPC Code (1-5-5) or EAN/UPC Code (2-5-5) if non-RX item NDC if RX	

	<b>LIN04</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			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)	
			UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)	
			A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit		
	<b>LIN05</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			UPC/EAN case or container code as appropriate, aligned with LIN 02		
<b>Must Use</b>	<b>LIN06</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Made to match 850 segment PO110- CVS Health Item Number		
			PI	Purchaser's Item Code	
<b>Must Use</b>	<b>LIN07</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			Made to match 850 segment PO111 CVS Health Item Number (SKU)		
	<b>LIN08</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VN	Vendor's (Seller's) Item Number	
	<b>LIN09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			Vendor's Item Number		
	<b>LIN10</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			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.		
			VC	Vendor's (Seller's) Catalog Number	
	<b>LIN11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			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.		
<b>R</b>	<b>LIN12</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			LT	Lot Number	
<b>R</b>	<b>LIN13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		

**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	Name	Attributes
<u>Des.</u>	<u>Element</u>		
SN101	350	<b>Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set ASN Line Number or Original PO Line Number, as referenced in LIN01	
M	SN102	<b>382 Number of Units Shipped</b>	<b>M R 1/10</b>
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set Units shipped, normally represented in CA-Cases Imperative that this is accurate to what is on the shipment.	
M	SN103	<b>355 Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
		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. Made to match the 850 segment PO103.  For most non-RX shipments, 'CA' is preferred in the SN1 segment. CA Case EA Each PC Piece PK Package	
	SN104	<b>646 Quantity Shipped to Date</b>	<b>O R 1/15</b>
		Number of units shipped to date For Partial Orders.	
	SN105	<b>330 Quantity Ordered</b>	<b>X R 1/15</b>
		Quantity ordered Quantity Ordered on Original CVS Health PO	
	SN106	<b>355 Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
		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 PK Package SP Shelf Package Used for RX Only	

<b>Segment:</b>	<b>PO4</b> Item Physical Details - ITEM LEVEL
<b>Position:</b>	060
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify the physical qualities, packaging, weights, and dimensions relating to the item
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either PO402 or PO403 is present, then the other is required.</li> <li>2 If PO405 is present, then PO406 is required.</li> <li>3 If either PO406 or PO407 is present, then the other is required.</li> <li>4 If either PO408 or PO409 is present, then the other is required.</li> <li>5 If PO410 is present, then PO413 is required.</li> <li>6 If PO411 is present, then PO413 is required.</li> <li>7 If PO412 is present, then PO413 is required.</li> <li>8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.</li> <li>9 If PO417 is present, then PO416 is required.</li> <li>10 If PO418 is present, then PO404 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.</li> <li>3 PO417 is the ending package identifier in a range of identifiers.</li> <li>4 PO418 is the number of packages in this layer.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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".</li> <li>2 PO413 defines the unit of measure for PO410, PO411, and PO412.</li> </ol>
<b>Notes:</b>	PO4*8***PCS*****96~

#### Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Pack	O N0 1/6
Must Use	PO401	356	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)	
		Displays should be CA - Pack of 1	
		Made to Match the 850 segment PO401	
		If the 850 PO401 does not exist, default case pack to 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
		EA	Each
		PC	Piece

Must Use	PO404	103	<b>Packaging Code</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required PCS Pieces	X AN 3/5	
	PO405	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	O ID 1/2	
	PO406	384	<b>Gross Weight per Pack</b> Numeric value of gross weight per pack	X R 1/9	
	PO407	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound OZ Ounce - Av	X ID 2/2	
	PO408	385	<b>Gross Volume per Pack</b> Numeric value of gross volume per pack	X R 1/9	
	PO409	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CC Cubic Centimeter CF Cubic Feet CI Cubic Inches	X ID 2/2	
	PO410	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position	X R 1/8	
	PO411	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	X R 1/8	
	PO412	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	X R 1/8	
	PO413	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter IN Inch MM Millimeter	X ID 2/2	
	PO414	810	<b>Inner Pack</b> The number of eaches per inner container - mandatory if sending inner packs Number of inner packs. Not recommended for use!!!!	O N0 1/6	
	Must Use	PO418	1470	<b>Number</b> A generic number Total number of sellable units on the tare/pallet. When SN103 is EA or PC, then PO418 = SN102 When SN103 is CA, if PO414 is null, then PO418 = SN102 * PO401 When SN103 is CA, if PO414 is not null, then PO418 = SN102 * PO401 * PO414 When SN103 is DZ, then PO418 = SN102 * 12	O N0 1/9

<b>Segment:</b>	<b>PID</b> Product/Item Description - ITEM LEVEL
<b>Position:</b>	070
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	200
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	<p>Examples:</p> <p>PID*F****GENERIC TABLETS 300 MG 70~</p> <p>PID*F****PAPER 8X10 6CT~</p>

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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 product information, such as product name 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:** Should align with the Lot Number provided in LIN segment.

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

Example: DTM\*036\*20140225~

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	O ID 3/3
			Code specifying type of date or time, or both date and time	
			036 Expiration	
			Date coverage expires	
			Mandatory only for products with expiration date	
Must Use	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	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354 Number of Line Items	M N0 1/6
		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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>		
M	SE01	96	<b>Number of Included Segments</b>	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	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	