

857 Shipment and Billing Notice

ANSI X12-5010

Vendor Implementation Guide

Document Version 1.7

April 2026

857 Shipment and Billing Notice

Functional Group ID=**BS**

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Shipment and Billing Notice Transaction Set (857) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides the recipient of a shipment with data for both receipt planning and payment generation. EDI and telecommunications technologies suggest efficiencies in the way business data is processed. For example, the sender of a shipment may send the recipient's receiving function a Ship Notice/Manifest (856), and the payables function an Invoice (810), even though the contents of these two documents may be largely redundant. In certain business environments, the Shipment and Billing Notice permits the consolidation of these two documents into one. Specifically, this transaction set is appropriate where the shipment data, when it includes terms and item prices, can be used both to plan receipts and to generate payment. In this environment, the exact prices for the items shipped may not be known in advance by both parties. This transaction set is not appropriate in so-called Evaluated Receipts Settlement (ERS) environments, in which the exact prices for the items shipped have been agreed upon by, and are known to, both parties in advance. This transaction set is not to be used to replace the Ship Notice/Manifest (856) or Invoice (810) individually, but only to replace both, together. For example, do not use this transaction set in place of a Ship Notice/Manifest while continuing to send either paper or electronic invoice.

	<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	0100	ST	Transaction Set Header	M	1		c1
M	0200	BHT	Beginning of Hierarchical Transaction	M	1		n1
LOOP ID - HL							>1
M	0300	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		n2
LOOP ID - BS1							1
Must Use	0400	G05	Total Shipment Information - SHIPMENT LEVEL	O	1		n3
Must Use	1000	DTM	Date/Time Reference - SHIPMENT LEVEL	O	5		
Must Use	1100	N9	Extended Reference Information - SHIPMENT LEVEL	O	20		
Must Use	1100	N9	Extended Reference Information - SHIPMENT LEVEL	O	20		
LOOP ID - N1							1
Must Use	1400	N1	Party Identification - SHIP FROM	O	1		
LOOP ID - N1							1
Must Use	1400	N1	Party Identification - SHIP TO	O	1		
LOOP ID - HL							>1
M	0300	HL	Hierarchical Level - ORDER LEVEL	M	1		
LOOP ID - BS2							1
Must Use	1800	TDS	Total Monetary Value Summary - ORDER LEVEL	O	1		
Must Use	2370	ISS	Invoice Shipment Summary - ORDER LEVEL	O	1		
LOOP ID - SAC							25
	2400	SAC	Service, Promotion, Allowance, or Charge Information - ORDER LEVEL	O	1		
LOOP ID - HL							>1
M	0300	HL	Hierarchical Level - TARE LEVEL	M	1		
LOOP ID - BS3							1
	3000	PAL	Pallet Type and Load Characteristics - TARE LEVEL	O	1		

Must Use	3100	MAN	Marks and Numbers Information - TARE LEVEL	O	10
LOOP ID - HL >1					
M	0300	HL	Hierarchical Level - ITEM LEVEL	M	1
LOOP ID - BS5 1					
Must Use	3700	IT1	Baseline Item Data (Invoice) - ITEM LEVEL	O	1
Must Use	3900	PO4	Item Physical Details - ITEM LEVEL	O	1
LOOP ID - PID 1					
Must Use	4500	PID	Product/Item Description - ITEM LEVEL	O	1
LOOP ID - SAC 25					
	4900	SAC	Service, Promotion, Allowance, or Charge Information - ITEM LEVEL	O	1
M	5100	SE	Transaction Set Trailer	M	1

Transaction Set Notes

- BHT01, Hierarchical Structure Code, may only contain the code values 0001, 0002, and 0003.

When BHT01, the Hierarchical Structure Code, contains a value of 0001, the levels of the transaction set are Shipment, Order, Tare (pallet), Pack (carton), Subpack, and Item. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the item level; however, the pack level may be omitted.

When BHT01, the Hierarchical Structure Code, contains a value of 0002, the levels of the transaction set are Shipment, Order, Item, Tare (pallet), Pack (carton), and Subpack. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the pack level; however, the tare level may be omitted.

When BHT01, Hierarchical Structure Code, contains a value of 0003, the levels of the transaction set are Shipment, Tare (pallet), Pack (carton), Subpack, Order and Item. The levels, when used, must always appear (in the transaction set) in the above order, e.g., the pack level can not be subordinate to the order level, however the pack level may be omitted.

BHT03 and BHT04 are mandatory.
- HL01 (Hierarchical ID Number) will be assigned sequentially within the hierarchy starting with one and incremented by one for each HL segment.

HL02 (Hierarchical Parent ID) will have the value of 0 when used at the Shipment Level.

HL03 (Hierarchical Level Code) may only contain the codes: S (Shipment Level), O (Order Level), T (Tare Level), P (Pack Level), Q (Subpack Level), and I (Item Level).
- The BS1 loop may only be used at the Shipment Level.

The transaction set shall contain one and only one occurrence of the BS1 loop, Shipment level.

Transaction Set Comments

- The structure of this transaction set is one shipment of one or more orders.

This transaction set is used to convey information that is normally found on a shipping/receiving document and a invoice, in a paper environment. In most cases prices are excluded from the receiving documents. Care should be exercised to keep this information from the receiving area if it is the current practice to exclude such information. It may be prudent to consult an auditor or legal representative if there is any question.

Segment: **ST** Transaction Set Header
Position: 0100
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M 1 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 1 AN 4/9

Segment: **BHT** Beginning of Hierarchical Transaction
Position: 0200
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the business hierarchical structure of the transaction set and identify the business application purpose and reference data, i.e., number, date, and time

Syntax Notes:
Semantic Notes:

- 1 BHT03 is the number assigned by the originator to identify the transaction within the originator's business application system.
- 2 BHT04 is the date the transaction was created within the business application system.
- 3 BHT05 is the time the transaction was created within the business application system.

Comments:

Notes: BHT*0001*00*06407424*20231117*23495500*CR

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	BHT01	1005	Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0001 Shipment, Order, Packaging, Item	M 1 ID 4/4
M	BHT02	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M 1 ID 2/2
M	BHT03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ASN/Transaction Reference Number	M 1 AN 1/50
	BHT04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year Shipment Date	O 1 DT 8/8
	BHT05	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) Shipment Time	O 1 TM 4/8
M	BHT06	640	Transaction Type Code Code specifying the type of transaction CR Credit Memo DI Debit Invoice	M 1 ID 2/2

Segment: **HL** Hierarchical Level - SHIPMENT LEVEL
Position: 0300
Loop: HL Mandatory
Level:
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 Element	Name	Attributes
M	HL01	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M 1 AN 1/12
	HL02	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O 1 AN 1/12
M	HL03	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S Shipment	M 1 ID 1/2

Segment: **G05** Total Shipment Information - SHIPMENT LEVEL
Position: 0400
Loop: BS1 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To provide totals relating to the shipment
Syntax Notes:

- 1 If either G0501 or G0502 is present, then the other is required.
- 2 At least one of G0501 G0503 or G0505 is required.
- 3 If either G0503 or G0504 is present, then the other is required.
- 4 If either G0505 or G0506 is present, then the other is required.
- 5 If either G0507 or G0508 is present, then the other is required.

Semantic Notes:

Comments:

Notes: G05*12*CA

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
G0501	382	Number of Units Shipped	X 1 R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
		Total number of items shipped	
G0502	355	Unit or Basis for Measurement Code	X 1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CA Case	
		EA Each	

Segment: **DTM** Date/Time Reference - SHIPMENT LEVEL
Position: 1000
Loop: BS1 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 5
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: DTM*067*20121018

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier	M 1 ID 3/3
			Code specifying type of date or time, or both date and time	
		067	Current Schedule Delivery	
	DTM02	373	Date	X 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	

Segment: **N9** Extended Reference Information - SHIPMENT LEVEL
Position: 1100
Loop: BS1 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 20
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:
Notes: N9*19*01456
 N902 should hold the CVS Store Number

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification 19 Division Identifier	M 1 ID 2/3
	N902	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier 5-digit CVS Health Store Number (Example: '12345')	X 1 AN 1/50

Segment: **N9** Extended Reference Information - SHIPMENT LEVEL
Position: 1100
Loop: BS1 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 20
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:
Notes: N9*VR*29V12
N902 should hold the Party Code

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification VR Vendor ID Number	M 1 ID 2/3
	N902	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50

Segment: **N1** Party Identification - SHIP FROM
Position: 1400
Loop: N1 Optional (Must Use)
Level:
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: N1*SF*Vendor Name*1*123456789

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SF Ship From	M 1 ID 2/3
	N102	93	Name Free-form name Vendor Name	X 1 AN 1/60
	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	X 1 ID 1/2
	N104	67	Identification Code Code identifying a party or other code Vendor D-U-N-S Number	X 1 AN 2/80

Segment: **N1** Party Identification - SHIP TO
Position: 1400
Loop: N1 Optional (Must Use)
Level:
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: N1*ST*CVS Health*1*001786664

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code	M 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To	
	N102	93	Name	X 1 AN 1/60
			Free-form name	
			"CVS Health"	
	N103	66	Identification Code Qualifier	X 1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
	N104	67	Identification Code	X 1 AN 2/80
			Code identifying a party or other code	
			CVS Health D-U-N-S Number	

Segment: **HL** Hierarchical Level - ORDER LEVEL
Position: 0300
Loop: HL Mandatory
Level:
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 Element	Name	Attributes
M	HL01	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M 1 AN 1/12
	HL02	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O 1 AN 1/12
M	HL03	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M 1 ID 1/2
		O Order	

Segment: **TDS** Total Monetary Value Summary - ORDER LEVEL
Position: 1800
Loop: BS2 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

- 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: TDS*18216

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> TDS01	<u>Element</u> 610 Amount Monetary amount	M 1 N2 1/15

Segment: **ISS Invoice Shipment Summary - ORDER LEVEL**
Position: 2370
Loop: BS2 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

- Syntax Notes:**
- 1 At least one of ISS01 ISS03 or ISS05 is required.
 - 2 If either ISS01 or ISS02 is present, then the other is required.
 - 3 If either ISS03 or ISS04 is present, then the other is required.
 - 4 If either ISS05 or ISS06 is present, then the other is required.

- Semantic Notes:**
- 1 ISS07 is the quantity of third party pallets.
 - 2 ISS08 is the gross weight of third party pallets in pounds.

Comments:
Notes: ISS*24*CA

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
ISS01	382	Number of Units Shipped	X 1 R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
		Total number of cases shipped	
ISS02	355	Unit or Basis for Measurement Code	X 1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CA Case	

Segment: **SAC** Service, Promotion, Allowance, or Charge Information - ORDER
LEVEL
Position: 2400
Loop: SAC Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC14 is present, then SAC13 is required.
 - 7 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: SAC*A*F800***5.00**1*EA*12**06*01** Free Goods

Note that Allowance information may be sent at either the Order Level or the Item Level as appropriate. Ensure you send acceptable Allowance Codes via Appendix B.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	SAC01	248 Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge	M 1 ID 1/1
	SAC02	1300 Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	X 1 ID 4/4
	SAC05	610 Amount Monetary amount	O 1 N2 1/15
	SAC08	118 Rate Rate expressed in the standard monetary denomination for the currency specified	O 1 R 1/9

SAC09	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	X	1	ID 2/2
SAC10	380	Quantity Numeric value of quantity	X	1	R 1/15
SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	O	1	ID 2/2
SAC13	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Please provide the appropriate Allowance or Charge Code. Refer to Appendix B below for a list of EDI codes approved by CVS. This list is subject to change. CVS will reject all allowance/charge codes that are not approved by CVS.	X	1	AN 1/50
SAC15	352	Description A free-form description to clarify the related data elements and their content Please include verbose definition of acceptable Allowance/Charge Codes from table in Appendix B.	X	1	AN 1/80

Segment: **HL** Hierarchical Level - TARE LEVEL
Position: 0300
Loop: HL Mandatory
Level:
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 Element	Name	Attributes
M	HL01	628 Hierarchical ID Number	M 1 AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
	HL02	734 Hierarchical Parent ID Number	O 1 AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	HL03	735 Hierarchical Level Code	M 1 ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		T Shipping Tare	

Segment: **PAL** Pallet Type and Load Characteristics - TARE LEVEL
Position: 3000
Loop: BS3 Optional
Level:
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: PAL*6

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PAL01	883	Pallet Type Code	O 1 ID 1/2
		Code indicating the type of pallet	
		4 Standard	
		6 Wood	

Segment: **HL** Hierarchical Level - ITEM LEVEL
Position: 0300
Loop: HL Mandatory
Level:
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 Element	Name	Attributes
M	HL01	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M 1 AN 1/12
	HL02	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O 1 AN 1/12
M	HL03	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M 1 ID 1/2
		I Item	

Segment: **IT1** **Baseline Item Data (Invoice) - ITEM LEVEL**
Position: 3700
Loop: BS5 Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

- Semantic Notes:**
- Comments:**
- 1 IT101 is the line item identification.
 - 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: IT1*1*3*CA*1.99**UP*049000001259

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
IT101	350	Assigned Identification	O	1 AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
IT102	358	Quantity Invoiced	X	1 R 1/15
		Number of units invoiced (supplier units)		
IT103	355	Unit or Basis for Measurement Code	X	1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		CA Case		
		EA Each		
IT104	212	Unit Price	X	1 R 1/17
		Price per unit of product, service, commodity, etc.		
IT106	235	Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UP UCC - 12		
		Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)		
IT107	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		

Segment:	PO4 Item Physical Details - ITEM LEVEL
Position:	3900
Loop:	BS5 Optional (Must Use)
Level:	
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ". 2 PO413 defines the unit of measure for PO410, PO411, and PO412.
Notes:	PO4*6

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PO401	356	Pack	O 1 N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	

Segment: **PID** Product/Item Description - ITEM LEVEL

Position: 4500

Loop: PID Optional (Must Use)

Level:

Usage: Optional (Must Use)

Max Use: 1

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: PID*F****1.9Z PET X6 DASANI DROPS STRBRY KIWI

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PID01	Item Description Type	M 1 ID 1/1
		Code indicating the format of a description	
		F Free-form	
	PID05	Description	X 1 AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: SAC Service, Promotion, Allowance, or Charge Information - ITEM LEVEL
Position: 4900
Loop: SAC Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC14 is present, then SAC13 is required.
 - 7 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: SAC*A*F800***5.00***1*EA*12**06*01**Free Goods

Note that Allowance information may be sent at either the Order Level or the Item Level as appropriate. Ensure you send acceptable Allowance Codes via Appendix B.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
M	SAC01	248 Allowance or Charge Indicator	M 1 ID 1/1	Code which indicates an allowance or charge for the service specified A Allowance C Charge
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X 1 ID 4/4	Code identifying the service, promotion, allowance, or charge
	SAC05	610 Amount	O 1 N2 1/15	Monetary amount
	SAC08	118 Rate	O 1 R 1/9	Rate expressed in the standard monetary denomination for the currency specified
	SAC09	355 Unit or Basis for Measurement Code	X 1 ID 2/2	

		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
SAC10	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SAC12	331	Allowance or Charge Method of Handling Code	O	1	ID 2/2
		Code indicating method of handling for an allowance or charge			
SAC13	127	Reference Identification	X	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		Please provide the appropriate Allowance or Charge Code. Refer to Appendix B below for a list of EDI Codes approved by CVS. This list is subject to change. CVS will reject all allowance/charge codes that are not approved by CVS.			
SAC15	352	Description	X	1	AN 1/80
		A free-form description to clarify the related data elements and their content			
		Please provide verbose definition of acceptable Allowance/Charge Codes from table in Appendix B.			

Segment: **SE** Transaction Set Trailer
Position: 5100
Loop:
Level:
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 Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

APPENDIX A: EDI ANSI X12 857 Example

ISA*00* 00* *ZZ*SENDERID *ZZ*CVSPROD *240411*1659*^*00501*100023272*0*P*~>
GS*BS*SENDERID*CVSPROD*20240411*1659*24272*X*005010~
ST*857*171950161~
BHT*0001*00*06407424*20231117*23495500*DI~
HL*1**S~
G05*12*CA~
DTM*067*20121018~
N9*19*12345~
N1*SF**1*118267624~
N1*ST*Customer name*1*123456789~
HL*2*1*O~
TDS*18216~
ISS*6*EA~
SAC*A*F800***500***1*EA*12**06*01**Free Goods~
HL*3*2*T~
PAL*6~
MAN*GM*00100000000453988242~
HL*4*3*I~
IT1*1*3*CA*1.99**UP*049000001259~
PO4*6~
PID*F****1.9Z PET X6 DASANI DROPS STRBRY KIWI~
SAC*A*F800***500***1*EA*12**06*61**Handling Allowance~
HL*5*4*I~
IT1*2*3*CA*1.99**UP*049000001211~
PO4*6~
PID*F****1.9Z PET X6 DASANI DROPS PINK LEMONADE~
SAC*A*F800***500***1*EA*12**06*01**Free Goods~
HL*6*5*I~
IT1*3*3*CA*1.99**UP*049000005059~
PO4*6~
PID*F****1.9Z PET X6 DASANI DROPS PABLE COCONUT~
SAC*A*F800***500***1*EA*12**06*01**Free Goods~
HL*7*6*I~
IT1*4*3*CA*1.99**UP*049000001266~
PO4*6~
PID*F****1.9Z PET X6 DASANI DROPS MIXED BERRY~
SAC*A*F800***500***1*EA*12**06*01**Free Goods~
SE*36*171950161~
GE*1*24272~
IEA*1*100023272~

APPENDIX B:

CVS Acceptance of EDI Allowance or Charge Codes

Code	Definition	CVS will accept or reject
01	Free Goods	Accept
02	Shrink Allowance	Accept
03	Count & Recount	Reject
04	Fuel Allowance	Accept
05	Allowance Non-Performance	Accept
06	Pallet Charge	Reject
10	Drayage	Reject
11	Blast Freezing	Reject
12	Communication Expense	Reject
13	Handling In	Reject
14	Handling Out	Reject
15	Labor	Reject
16	Minimum Charge	Reject
17	Physical Inventory	Reject
18	Pick Rate	Reject
19	Postage	Reject
20	Slow Freezing	Reject
21	Storage	Reject
22	Supplies	Reject
23	Taking Weights	Reject
24	Telephone, Telex, Fax	Reject
25	United States Dept of Agriculture (USDA) Inspection	Reject
26	Unloading	Reject
27	Withdrawal Line Item Rate	Reject
28	Direct Product Handling (DPC)	Reject
29	Price Adjustment Percent (PCT)	Reject

30	Post Damage Handling (PDC)	Reject
31	Reclamation Center Handling (Chute)	Reject
32	Reclamation Shared Responsibility (SRS)	Reject
33	Maximum Price Percent (MAX)	Reject
34	Minimum Price Percent (MIN)	Reject
40	Slip Sheet Unloading Allowance	Accept
41	Terms Allowance	Accept
42	Central Buy <i>Allowance taken for large quantities bought through headquarters</i>	Accept
43	Display Allowance <i>Allowance taken for merchandise in traffic areas</i>	Accept
44	Early Buy Allowance <i>Allowance taken for merchandise ordered previous to regularly scheduled order dates</i>	Accept
45	New Discount <i>Allowance taken for a new mutually defined discount</i>	Accept
46	New Warehouse <i>Allowance for first shipment into a new distribution facility</i>	Accept
47	Price & Marketing Allowance <i>Allowance for special promotional activities for a specific product</i>	Accept
48	Special Buy <i>Allowance for a special purchase from supplier</i>	Accept
50	Lump Sum <i>Total allowance amount granted by vendor or broker usually when relationships to a specific item and/or specific rate is not identifiable</i>	Accept
51	Trade discount	Accept
52	Quantity Discount	Accept
53	Freight Allowance	Accept
54	Pick-up Allowance	Accept
55	Warehouse Allowance <i>An allowance given to a customer who operates a bona fide warehouse, at which he stocks and from which he distributes products to multiple outlets</i>	Accept
58	Unsaleable Merchandise Allowance	Accept
60	Label Allowance	Accept

61	Handling Allowance	Accept
62	Freshness/Leaker Allowance	Accept
63	Floor Stock Protection	Accept
64	Full Truckload Allowance	Accept
65	New Item Allowance <i>Monies offered by a manufacturer to a chain or wholesale customer to cover costs involved in new items or products. New distribution allowances are specific new item allowances</i>	Accept
66	Slotting Allowance <i>Monies offered by a manufacturer to a chain or wholesale customer to cover the costs involved in designating a certain section in the customer's warehouse for a new product</i>	Accept
67	New Distribution Allowance <i>Monies offered by a manufacturer to a chain or wholesale customer to cover costs involved in the initial distribution of a new product among retail units.</i>	Accept
68	Scanner Allowance <i>Allowance which is paid on products that are scanned at the retail level during a specific timeframe.</i>	Accept
70	Allowance for Consignment Merchandise	Accept
80	Combination Performance and Non-performance	Accept
81	Direct Plant Ship Allowance	Accept
90	Performance Allowance	Accept
91	Glaze Allowance	Accept
92	In Transit Price Protection	Accept
93	COOP Credit	Accept
94	Cigarette Stamping	Accept
95	Swell	Accept
97	Cents Off	Accept
100	Advertising Allowance	Accept
101	Voluntary Price Reduction	Accept
105	Pallet Allowance <i>Allowance which is paid on a pallet basis</i>	Accept
106	Show Allowance <i>Allowance for merchandise displayed at a convention</i>	Accept
107	Indirect Customer Allowance	Accept

	<i>Promotional dollars offered to indirect customers</i>	
490	Good & Services Credit Allowance	Accept
491	Tax Credit Allowance	Accept
501	Taxes	Reject
503	Special Handling	Reject
504	Freight	Reject
505	Insurance	Reject
506	Car Loading	Reject
509	Labeling	Reject
510	Koshering	Reject
511	Warehouse	Reject
512	Palletizing	Reject
514	Surcharge	Reject
517	Demurrage	Reject
518	Service Charge	Reject
525	Deposit Charge – Resale Item	Accept
526	Beverage Tax – WV Crown Tax	Accept
527	Environmental Handling Charge	Reject
537	State or Province Tax	Reject
550	Deposit Charge – Non-Resale Item	Reject
560	Equipment Rental Charge	Accept
561	Equipment Service Charge	Reject
562	Inter-warehouse Freight Charge	Reject
565	Inbound Postage	Reject
566	Outbound Postage	Reject
990	Goods & Services Charge	Accept