



Cardinal Distribution
 a Cardinal Health Company
810 Invoice Guidelines

Functional Group ID=IN

The information presented in this document is provided to establish the requirements of Cardinal Distribution in passing documents electronically using EDI technology with our trading partners. Standards were developed using the "Industry Conventions and Implementation Guidelines for Electronic Data Interchange" documentation of the National Wholesale Druggists* Association and are the requirements of our Accounts Payable Group. Please contact our EDI Support Staff at (614) 717-5334 with any questions.

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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	050	REF	Reference Identification	O	12		
						LOOP ID - N1	200
Must Use	070	N1	Name	M	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference	O	10		
Rec	145	DTM	Date/Time Reference	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - IT1	200000
Must Use	010	IT1	Baseline Item Data (Invoice)	M	1		
Rec	030	IT3	Additional Item Data	O	5		
						LOOP ID - PID	1000
	060	PID	Product/Item Description	O	1		
						LOOP ID - SAC	25
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

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>
Must Use	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
						LOOP ID - SAC	25
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
						LOOP ID - ISS	>1
	060	ISS	Invoice Shipment Summary	O	1		
Must Use	070	CTT	Transaction Totals	M	1		n1
Must Use	080	SE	Transaction Set Trailer	M	1		

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) 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>Name</u>	<u>Attributes</u>
>>	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
>>	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 This is a sequential control number	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BIG01 is the invoice issue date.
 - 2 BIG03 is the date assigned by the purchaser to purchase order.
 - 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

- Comments:**
- 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	BIG01	373 Date Date expressed as CCYYMMDD	M DT 8/8
>>	BIG02	76 Invoice Number Identifying number assigned by issuer	M AN 1/22
>>	BIG03	373 Date Date expressed as CCYYMMDD	M DT 8/8
>>	BIG04	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Cardinal requires that you return the purchase order number submitted on the invoice	M AN 1/22
>>	BIG07	640 Transaction Type Code Code specifying the type of transaction Cardinal requires a 'DO' code on all dropship invoices	M ID 2/2
		DO Drop Shipment Invoice	
		PR Product (or Service)	

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading:
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AP Accounts Receivable Number	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** Name
Position: 070
Loop: N1 Mandatory
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BS Bill and Ship To	
		BT Bill-to-Party	
		ST Ship To	
		Required by Cardinal on all dropship invoices	
		SU Supplier/Manufacturer	
N102	93	Name	X AN 1/60
		Free-form name	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		11 Drug Enforcement Administration (DEA)	
		21 Health Industry Number (HIN)	
N104	67	Identification Code	X AN 2/80
		Code identifying a party or other code	

Segment: **N2** Additional Name Information
Position: 080
Loop: N1 Mandatory
Level: Heading:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required by Cardinal on all dropship invoices

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> <u>Des.</u> N201	<u>Element</u> 93	<u>Name</u> Name Free-form name	<u>M</u> <u>AN 1/60</u>

Segment: N3 Address Information
Position: 090
Loop: N1 Mandatory
Level: Heading:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required by Cardinal on all dropship invoices

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 100
Loop: N1 Mandatory
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Required by Cardinal on all dropship invoices

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	
>>	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading:
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code Code identifying type of payment terms Not used by Cardinal	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period Not used by Cardinal - Cardinal ALWAYS uses invoice date	O ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

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

Segment: **DTM** Date/Time Reference
Position: 145
Loop:
Level: Heading:
Usage: Optional (Recommended)
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:

Data Element Summary

Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Date/Time</u>	<u>Qualifier</u>	
>>	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 017 Estimated Delivery	M ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Mandatory
Level: Detail:
Usage: Mandatory
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:** 1 IT101 is the purchase order line item identification.
Comments:
- 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.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
IT101	350	Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
>>	IT102	Quantity Invoiced	X	R 1/10
		Number of units invoiced (supplier units)		
>>	IT103	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	
		CT	Carton	
		EA	Each	
>>	IT104	Unit Price	X	R 1/17
		Price per unit of product, service, commodity, etc.		
>>	IT106	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Cardinal prefers an 11 digit {numeric} NDC number and prefers to have the same ID information on the Purchase Order returned on the Invoice. Cardinal will not accept alpha numeric NDC numbers and if no NDC number is available an 11 digit {numeric} UPC is acceptable.		
		N4	National Drug Code in 5-4-2 Format	
		UI	U.P.C. Consumer Package Code (1-5-5)	

Segment: **IT1** **Baseline Item Data (Invoice)**
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>>	IT107	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			Cardinal requests that the product ID number(s) used to identify the product or service in the invoice be the same ID number(s) used in the purchase order		
	IT108	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			If capable, Cardinal would like to have the Buyers Item Number from the PO108 segment returned on the Invoice in the IT108		
	IT109	234	Cardinal Health, Inc., Corporate Item Number	X	AN 1/48
			Identifying number for a product or service		
			If capable, Cardinal would like to have the Corporate Item Number from the PO109 segment returned on the Invoice in the IT109		

Segment: **IT3 Additional Item Data**

Position: 030

Loop: IT1 Mandatory

Level: Detail:

Usage: Optional (Recommended)

Max Use: 5

Purpose: To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

Syntax Notes: 1 If either IT301 or IT302 is present, then the other is required.

2 At least one of IT301 IT303 IT304 or IT305 is required.

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
IT302	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	
		CT Carton	
		EA Each	
IT303	368	Shipment/Order Status Code	X ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
		BO Back Ordered	
		BP Shipment Partial, Back Order to Ship on (Date)	
		CM Shipment Complete with Additional Quantity	
		IS Item Represents Substitution from Original Order	
		OR Temporarily Out of Stock - Reorder	
IT304	383	Quantity Difference	X R 1/9
		Numeric value of variance between ordered and shipped quantities	

Segment: **PID** Product/Item Description

Position: 060

Loop: PID Optional

Level: Detail:

Usage: Optional (Recommended)

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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PID01	349 Item Description Type Code indicating the format of a description	M ID 1/1
>>	PID05	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: SAC Optional
Level: Detail:
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 SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 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 to further the code in 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	SAC01	248 Allowance or Charge Indicator	M 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 ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		C040 Delivery	
		C310 Discount	
		D200 Freight Charges to Destination	
		D240 Freight	
		H660 Tax - Federal Excise Tax, FET	
		H850 Tax	

Cardinal Health requires that you submit NWDA approved codes only

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
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	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
>>	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
>>	SAC15	352	Description	X	ID 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary:
Usage: Mandatory
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> TDS01	610	Total Invoice Amount Monetary amount Amount of invoice including charges, less allowances & before terms discount {when applicable}	M N2 1/15
TDS02	610	Amount Subject to Terms Discount Monetary amount	O N2 1/15
TDS03	610	Discounted Amount Due Monetary amount	O N2 1/15
TDS04	610	Terms Discount Amount Monetary amount	O N2 1/15

Segment: **CAD** Carrier Detail
Position: 030
Loop:
Level: Summary:
Usage: Optional
Max Use: 1
Purpose: To specify transportation details for the transaction
Syntax Notes: 1 At least one of CAD05 or CAD04 is required.
 2 If CAD07 is present, then CAD08 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	X ID 2/4
CAD05	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
CAD07	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number	O ID 2/3
CAD08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary:
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 SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 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 to further the code in 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	SAC01	248 Allowance or Charge Indicator	M 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 ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		C040 Delivery	
		C310 Discount	
		D200 Freight Charges to Destination	
		D240 Freight	
		F800 Promotional Allowance	
		H000 Special Allowance	
		H010 Special Buy	
		H090 Special Handling	
		H850 Tax	

Segment:
CON'T

SAC Service, Promotion, Allowance, or Charge Information

>>	SAC05	610	Allowance or Charge Amount	O	N2 1/15
			Monetary amount		
>>	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
			01 Bill Back		
			02 Off Invoice		
			04 Credit Customer Account		
			06 Charge to be Paid by Customer		
>>	SAC15	352	Description	X	ID 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **ISS Invoice Shipment Summary**
Position: 060
Loop: ISS Optional
Level: Summary:
Usage: Optional
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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ISS01	382	Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
ISS02	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	
		CT Carton	
		EA Each	
ISS03	81	Weight	X R 1/10
		Numeric value of weight	
ISS04	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	
		CT Carton	
		EA Each	
ISS05	183	Volume	X R 1/8
		Value of volumetric measure	
ISS06	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	
		CT Carton	
		EA Each	

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary:
Usage: Mandatory
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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> CTT01	354	Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
		Total number of IT1 segments	

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<u>SE01</u>	<u>96</u>	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
>>	<u>SE02</u>	<u>329</u>	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 This number must be the same as the number in the ST {ST02} segment for this transaction set	M AN 4/9