



# 810 Invoice

Functional Group ID=**IN**

## Introduction:

This Standard contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

## Notes:

Change History  
 4/2/03:  
 IT106/07 - now Optional  
 SAC02 - added 2 codes (E160, I060)  
 PID05 - max changed to 45  
 6/23/03:  
 SAC12 - added "06" code

## 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	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	5		
M	050	REF	Reference Identification	M	1		
	050	REF	Reference Identification	O	1		
	050	REF	Reference Identification	O	1		
	050	REF	Reference Identification	O	1		
	050	REF	Reference Identification	O	1		
	050	REF	Reference Identification	O	1		
						1	
M	070	N1	Name	M	1		
	080	N2	Additional Name Information	O	1		
	090	N3	Address Information	O	1		
	100	N4	Geographic Location	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
	150	FOB	F.O.B. Related Instructions	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>
						200000	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
						3	
	060	PID	Product/Item Description	O	1		
						6	
	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>
M	010	TDS	Total Monetary Value Summary	M	1		
M	030	CAD	Carrier Detail	M	1		
			LOOP ID - SAC			6	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
M	070	CTT	Transaction Totals	M	1		n1
M	080	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> 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:** **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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
M	BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer	M AN 1/12
M	BIG04	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/10

**Segment:** **NTE** Note/Special Instruction  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> NTE02	<u>Element</u> 352 <u>Description</u>	M AN 1/80
		A free-form description to clarify the related data elements and their content	

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification IA Internal Vendor Number	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier - When REF01 = IA, REF02 will be the Vendor numbe	M AN 1/5

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification PK Packing List Number	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier - When REF01 = PK, RER02 will be the Packing Slip number	M AN 1/15

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification ST Store Number	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier - When REF01 = ST REF02 will be the final destination location number. This number must appear on the Shipping Label, created from the ASN (do not use the number in N104 where N101 = ST)	M AN 1/5



**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification BM Bill of Lading Number	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier -When REF01 = BM, REF02 will be the Bill of Lading number from the ASN	M AN 1/20

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification CN Carrier's Reference Number (PRO/Invoice)	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier - When REF01 = CN, REF02 will be the either the Common Carrier Pro number or the Parcel Carrier tracking numbers, must be the same as sent on then ASN	M AN 1/30

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification TN Transaction Reference Number	M ID 2/3
M	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier - When REF01 = TN, REF02 will be the Shipment tracking or load control# given by the Sport Chalet Freight Forwarder, must be the same as sent on the ASN	M AN 1/10

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
M	N102	93	<b>Name</b> Free-form name	M AN 1/35
M	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
M	N104	67	<b>Identification Code</b> Code identifying a party or other code This field represents the Ship-To Location#. Do not display this number on the Shipping Label. Use the data in REF02 element/segment where REF01 = SStat the order level	M AN 2/5

**Segment:** N2 Additional Name Information  
**Position:** 080  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u> <u>Name</u>	<u>Attributes</u>
M	N201	93	Free-form name	M AN 1/35

**Segment:** N3 Address Information  
**Position:** 090  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

**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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N401	19	<b>City Name</b> Free-form text for city name	M AN 2/20
M	N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
	N404	26	<b>Country Code</b> Code identifying the country	O ID 2/3

**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>		
ITD03	338	<b>Terms Discount Percent</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	X R 1/6
ITD04	370	<b>Terms Discount Due Date</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
ITD05	351	<b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
ITD06	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
ITD07	386	<b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
M ITD12	352	<b>Description</b> A free-form description to clarify the related data elements and their content	M AN 1/80



**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 150  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	FOB01	146 <b>Shipment Method of Payment</b>	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC Collect	
		CF Collect, Freight Credited Back to Customer	
		PC Prepaid but Charged to Customer	
		PP Prepaid (by Seller)	

**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>
M	IT101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/5
M	IT102	358	<b>Quantity Invoiced</b> Number of units invoiced (supplier units)	M R 1/7
M	IT103	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	M ID 2/2
			BD Bundle	
			BX Box	
			CA Case	
			CG Card	
			CM Centimeter	
			CN Can	
			DZ Dozen	
			EA Each	
			FT Foot	
			GS Gross	
			HY Hundred Yards	
			IN Inch	
			LB Pound	
			MM Millimeter	
			PD Pad	
			PK Package	
			PR Pair	
			RE Reel	
			SL Sleeve	
			SO Spool	
			ST Set	
			TH Thousand	
			YD Yard	
M	IT104	212	<b>Unit Price</b>	M R 1/9

		Price per unit of product, service, commodity, etc.		
<b>IT106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>O</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		IN Buyer's Item Number		
		UP U.P.C. Consumer Package Code (1-5-5-1)		
<b>IT107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/14</b>
		Identifying number for a product or service		
		Sport Chalet Item number (when IT106=IN)		
		UPC Number (when IT106=UP)		
		Prefer Sport Chalet Item Number here		
<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>O</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UP U.P.C. Consumer Package Code (1-5-5-1)		
<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>O</b>	<b>AN 12/14</b>
		Identifying number for a product or service		
<b>IT110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>O</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VP Vendor's (Seller's) Part Number		
<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>O</b>	<b>AN 1/20</b>
		Identifying number for a product or service		

**Segment:** **PID** **Product/Item Description**

**Position:** 060

**Loop:** PID Optional

**Level:** Detail

**Usage:** Optional

**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>
M	PID01	349 <b>Item Description Type</b> Code indicating the format of a description F Free-form	M ID 1/1
	PID02	750 <b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic 08 Product 74 Vendor size description 75 Buyer's Color Description	O ID 2/3
M	PID05	352 <b>Description</b> A free-form description to clarify the related data elements and their content When PID02 = 08, PID05 min/max 1/45 When PID02 = 75, PID05 min/max 1/8 When PID02 = 74, PID05 min/max 1/6	M AN 1/45

**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.

**Notes:** Conditional Relationship - Either SAC05 or SAC06/07 will be sent, not both.

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	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	
M	SAC02	1300 Service, Promotion, Allowance, or Charge Code	M ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		C000 Defective Allowance	
		D240 Freight	
		E160 Label Allowance	
		Pre-Ticketing Allowance	
		I060 Ticketing Service	
		Pre-Ticketing Charge	
		I170 Trade Discount	
	SAC05	610 Amount	C N2 1/15
		Monetary amount	
		Do not use this element if Percent will be entered	
	SAC06	378 Allowance/Charge Percent Qualifier	C ID 1/1
		Code indicating on what basis allowance or charge percent is calculated	
		Do not use this element if Amount will be entered	

		6	Base Price Amount		
	<b>SAC07</b>	<b>332</b>	<b>Percent</b>	<b>C</b>	<b>R 1/6</b>
			Percent expressed as a percent		
			Do not use this element if Amount will be entered		
<b>M</b>	<b>SAC12</b>	<b>331</b>	<b>Allowance or Charge Method of Handling Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code indicating method of handling for an allowance or charge		
		02	Off Invoice		
		06	Charge to be Paid by Customer		
	<b>SAC15</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/40</b>
			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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	<b>Amount</b> Monetary amount Net Invoice Total. Sum of IT102 * IT104 plus/minus Allowance and Charges	M N2 1/15
M	TDS02	610	<b>Amount</b> Monetary amount Merchandise Amount Total. Sum of IT102 * IT104	M N2 1/15

**Segment:** **CAD** Carrier Detail  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**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>
M	CAD05	387	Routing	M AN 1/30
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
			Enter Carrier Name	



**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.

**Notes:** Conditional Relationship - Either SAC05 or SAC06/07 will be sent, not both.

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	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	
M	SAC02	1300 Service, Promotion, Allowance, or Charge Code	M ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		C000 Defective Allowance	
		D240 Freight	
		E160 Label Allowance	
		Pre-Ticketing Allowance	
		I060 Ticketing Service	
		Pre-Ticketing Charge	
		I170 Trade Discount	
	SAC05	610 Amount	C N2 1/15
		Monetary amount	
		Do not use this element if Percent will be entered	
	SAC06	378 Allowance/Charge Percent Qualifier	C ID 1/1
		Code indicating on what basis allowance or charge percent is calculated	
		Do not use this element if Amount will be entered	

		6	Base Price Amount		
	<b>SAC07</b>	<b>332</b>	<b>Percent</b>	<b>C</b>	<b>R 1/6</b>
			Percent expressed as a percent		
			Do not use this element if Amount will be entered		
<b>M</b>	<b>SAC12</b>	<b>331</b>	<b>Allowance or Charge Method of Handling Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code indicating method of handling for an allowance or charge		
		02	Off Invoice		
		06	Charge to be Paid by Customer		
	<b>SAC15</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/40</b>
			A free-form description to clarify the related data elements and their content		

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

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