

# 810 Invoice

Functional Group ID=**IN**

## Introduction:

This Draft Standard for Trial Use 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.

## 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	100		
			LOOP ID - N1			200	
	070	N1	Name	O	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		

## 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	
	010	IT1	Baseline Item Data (Invoice)	O	1		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		
	100	PO4	Item Physical Details	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>
M	010	TDS	Total Monetary Value Summary	M	1		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

	070	CTT	Transaction Totals	O	1	nl
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:** 1The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

#### Data Element Summary

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

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

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

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	<b>Date</b> Date expressed as CCYYMMDD Invoice Date in the Format CCYYMMDD	M DT 8/8
M	BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer Partner's Invoice Number	M AN 1/22
	BIG03	373	<b>Date</b> Date expressed as CCYYMMDD Purchase Order Date in the Format CCYYMMDD	O DT 8/8
M	BIG04	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser REQUIRED - DRUGSTORE.COM's Purchase Order Number	M AN 1/22
	BIG07	640	<b>Transaction Type Code</b> Code specifying the type of transaction DR = Debit/Regular Invoice CR = Credit Invoice (IT104/Price Sign Gets Reversed)	O ID 2/2

**Segment:** **NTE** Note/Special Instruction  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1The 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**

<b>Ref.</b>	<b>Data</b>		
<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
NTE02	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		Not Required - Free Form Message, Up To Three Loops Used By DRUGSTORE.COM	

**Segment:** **N1** Name  
**Position:** 070  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST = Ship To RE = Remit To (REQUIRED)	M ID 2/3
M	N102	93	Name Free-form name Company Name (REQUIRED)	M 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	O ID 1/2
	N104	67	Identification Code Code identifying a party or other code DUNS Number DRUGSTORE.COM Value For "ST" =	O AN 2/80

**Segment:** **N2** Additional Name Information  
**Position:** 080  
**Loop:** N1 Optional  
**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:**

Data Element Summary			
Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N201	93	Name	O AN 1/60
		Free-form name	
		Not Required - Additional Address Information	

**Segment:** **N3** Address Information  
**Position:** 090  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

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



**Segment:** **N4** Geographic Location  
**Position:** 100  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1If 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.  
2N402 is required only if city name (N401) is in the U.S. or Canada.

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	
		City	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		State	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Zip Code	

<b>Segment:</b>	<b>ITD</b> Terms of Sale/Deferred Terms of Sale
<b>Position:</b>	130
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify terms of sale
<b>Syntax Notes:</b>	<p>1If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.</p> <p>2If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.</p> <p>3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.</p>
<b>Semantic Notes:</b>	1ITD15 is the percentage applied to a base amount used to determine a late payment charge.
<b>Comments:</b>	<p>1If 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.</p>

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	<b>Terms Type Code</b>	<b>O ID 2/2</b>
		Code identifying type of payment terms	
		01 = Basic	
		03 = Fixed Date	
ITD02	333	<b>Terms Basis Date Code</b>	<b>O ID 1/2</b>
		Code identifying the beginning of the terms period	
		3 = Invoice Date	
ITD03	338	<b>Terms Discount Percent</b>	<b>O R 1/6</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	
		Partner's Terms Discount Percent	
ITD04	370	<b>Terms Discount Due Date</b>	<b>O DT 8/8</b>
		Date payment is due if discount is to be earned expressed in format CCYYMMDD	
		Discount Due Date in the Format CCYYMMDD	
ITD05	351	<b>Terms Discount Days Due</b>	<b>O N0 1/3</b>
		Number of days in the terms discount period by which payment is due if terms discount is earned	
		Number of Days Terms Discount Days Due	
ITD06	446	<b>Terms Net Due Date</b>	<b>O DT 8/8</b>
		Date when total invoice amount becomes due expressed in format CCYYMMDD	
		Net Due Date in the Format CCYYMMDD	
ITD07	386	<b>Terms Net Days</b>	<b>O N0 1/3</b>

		Number of days until total invoice amount is due (discount not applicable)	
		Number of Days Terms Net Days	
ITD08	362	<b>Terms Discount Amount</b>	<b>O N2 1/10</b>
		Total amount of terms discount	
		Terms Discount Amount	
ITD12	352	<b>Description</b>	<b>O AN 1/80</b>
		A free-form description to clarify the related data elements and their content	
		Free Form Description of Partner's Terms	

**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

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

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 010  
**Loop:** IT1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

**Syntax Notes:** 1If any of IT102 IT103 or IT104 is present, then all are required.  
2If either IT106 or IT107 is present, then the other is required.  
3If either IT108 or IT109 is present, then the other is required.  
4If either IT110 or IT111 is present, then the other is required.  
5If either IT112 or IT113 is present, then the other is required.  
6If either IT114 or IT115 is present, then the other is required.  
7If either IT116 or IT117 is present, then the other is required.  
8If either IT118 or IT119 is present, then the other is required.  
9If 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:** 1IT101 is the purchase order line item identification.

**Comments:** 1Element 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:** SPECIAL NOTES FOR PRODUCT/SERVICE ELEMENT PAIRS:  
(ITD106/107, ITD108/109, ITD110/111, ITD112/113)  
These pairs can be ordered in any way.

#### Data Element Summary

	Ref.	Data			Attributes
			Element	Name	
M	IT102	358	Quantity Invoiced		M R 1/10
			Number of units invoiced (supplier units)		
			Required - Quantity Invoiced		
M	IT103	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			CA = Cases		
			EA = Each		
M	IT104	212	Unit Price		M R 1/17
			Price per unit of product, service, commodity, etc.		
			Required - Price		
	IT105	639	Basis of Unit Price Code		O ID 2/2

			Code identifying the type of unit price for an item	
<b>M</b>	<b>IT106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			UI = Item UPC (1-5-5) or UP = Item UPC (1-5-5-1)	
<b>M</b>	<b>IT107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
			Item UPC Code	
<b>D</b>	<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>CID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			VN = Vendor Part Number	
<b>M</b>	<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>CAN 1/48</b>
			Identifying number for a product or service	
			Partner's Product Code	
<b>M</b>	<b>IT110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>CID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			IN = Buyers Item Number CB = Buyers Catalog Number SK = Stock Keeping Unit BP = Buyers Part Number PI = Purchasers Item Number	
<b>D</b>	<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>CAN 1/48</b>
			Identifying number for a product or service	
			DRUGSTORE.COM Part Number or SKU (if Sent in Purchase Order)	
<b>D</b>	<b>IT112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>CID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Open - Read "Special Notes" Above	
<b>D</b>	<b>IT113</b>	<b>234</b>	<b>Product/Service ID</b>	<b>CAN 1/48</b>
			Identifying number for a product or service	
			Open - Read "Special Notes" Above	

<b>Segment:</b>	<b>PID</b> <b>Product/Item Description</b>
<b>Position:</b>	060
<b>Loop:</b>	PID Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<p>1If PID04 is present, then PID03 is required.</p> <p>2At least one of PID04 or PID05 is required.</p> <p>3 If PID07 is present, then PID03 is required.</p> <p>4If PID08 is present, then PID04 is required.</p> <p>5If PID09 is present, then PID05 is required.</p>
<b>Semantic Notes:</b>	<p>1Use PID03 to indicate the organization that publishes the code list being referred to.</p> <p>2PID04 should be used for industry-specific product description codes.</p> <p>3PID08 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.</p> <p>4PID09 is used to identify the language being used in PID05.</p>
<b>Comments:</b>	<p>1If 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.</p> <p>2Use PID06 when necessary to refer to the product surface or layer being described in the segment.</p> <p>3PID07 specifies the individual code list of the agency specified in PID03.</p>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description F = Free Form	M ID 1/1
D	PID05	352	Description A free-form description to clarify the related data elements and their content Free Form Description, Up To 1 Loop Used by DRUGSTORE.COM If PID04 is Present Then PID05 Must Also be Present	CAN 1/80

**Segment:** **PO4** Item Physical Details

**Position:** 100

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

**Syntax Notes:** 1If either PO402 or PO403 is present, then the other is required.

2If PO405 is present, then PO406 is required.

3If either PO406 or PO407 is present, then the other is required.

4If either PO408 or PO409 is present, then the other is required.

5If PO410 is present, then PO413 is required.

6If PO411 is present, then PO413 is required.

7If PO412 is present, then PO413 is required.

8If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

9If PO417 is present, then PO416 is required.

10 If PO418 is present, then PO404 is required.

**Semantic Notes:** 1PO415 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.

2PO416 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.

4PO418 is the number of packages in this layer.

**Comments:** 1PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12 -Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".

2PO413 defines the unit of measure for PO410, PO411, and PO412.

**Data Element Summary**

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
PO401	356	Pack	O N0 1/6

The number of inner containers, or number of eaches if there are no inner containers, per outer container

Pack Count



**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:** 1At least one of SAC02 or SAC03 is required.

2If either SAC03 or SAC04 is present, then the other is required.

3If either SAC06 or SAC07 is present, then the other is required.

4If either SAC09 or SAC10 is present, then the other is required.

5If SAC11 is present, then SAC10 is required.

6If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7If SAC14 is present, then SAC13 is required.

8If SAC16 is present, then SAC15 is required.

**Semantic Notes:** 1If 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.

3SAC08 is the allowance or charge rate per unit.

4SAC10 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.

5SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

6SAC14 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:** 1SAC04 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.

2In 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		Attributes
	Des.	Element Name	
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	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	CID 4/4

Code identifying the service, promotion, allowance, or charge

A170 = Adjustments

A400 = Allowance Non-Performance

D500 = Handling

F280 = Performance Allowance

I410 = Unsaleable Merchandise Allowance

H850 = Tax

**SAC05      610      Amount      O      N2 1/15**

Monetary amount

Total Amount of Allowance/Charge

**SAC07      332      Percent      O      R 1/6**

Percent expressed as a percent

**SAC08      118      Rate      O      R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

**SAC12      331      Allowance or Charge Method of Handling Code      O      ID 2/2**

Code indicating method of handling for an allowance or charge

02 = Off Invoice

06 = Charge to be Paid by Customer

**SAC13      127      Reference Identification      CAN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Partners Code

**SAC15      352      Description      CAN 1/80**

A free-form description to clarify the related data elements and their content

Free Form Description

**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:** 1TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).  
2TDS02 indicates the amount upon which the terms discount amount is calculated.  
3TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).  
4TDS04 indicates the total amount of terms discount.  
**Comments:** 1TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

#### Data Element Summary

	Ref.	Data Des.	Data Element Name		Attributes
			Element	Name	
M	TDS01	610		<b>Total Invoice Amount</b>	<b>M N2 1/15</b>
				Monetary amount	
				Total Amount of Invoice (plus Charges, less Allowances, Before Terms Discount)	
	TDS02	610		<b>Amount Subject To Terms Discount</b>	<b>O N2 1/15</b>
				Monetary amount	
				Amount Upon Which the Terms Discount Amount is Calculated	
	TDS03	610		<b>Discounted Amount Due</b>	<b>O N2 1/15</b>
				Monetary amount	
				Amount of Invoice Due if Paid by Terms Discount Date	
	TDS04	610		<b>Terms Discount Amount</b>	<b>O N2 1/15</b>
				Monetary amount	
				Total Amount of Terms Discount	

<b>Segment:</b>	<b>SAC</b> Service, Promotion, Allowance, or Charge Information
<b>Position:</b>	040
<b>Loop:</b>	SAC Optional
<b>Level:</b>	Summary
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
<b>Syntax Notes:</b>	<p>1At least one of SAC02 or SAC03 is required.</p> <p>2If either SAC03 or SAC04 is present, then the other is required.</p> <p>3If either SAC06 or SAC07 is present, then the other is required.</p> <p>4If either SAC09 or SAC10 is present, then the other is required.</p> <p>5If SAC11 is present, then SAC10 is required.</p> <p>6If SAC13 is present, then at least one of SAC02 or SAC04 is required.</p> <p>7If SAC14 is present, then SAC13 is required.</p> <p>8If SAC16 is present, then SAC15 is required.</p>
<b>Semantic Notes:</b>	<p>1If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.</p> <p>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.</p> <p>3SAC08 is the allowance or charge rate per unit.</p> <p>4SAC10 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.</p> <p>5SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.</p> <p>6SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.</p> <p>7 SAC16 is used to identify the language being used in SAC15.</p>
<b>Comments:</b>	<p>1SAC04 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.</p> <p>2In 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.</p>

#### Data Element Summary

	Ref.	Data		Attributes
		Element	Name	
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	
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	CID 4/4

Code identifying the service, promotion, allowance, or charge

A170 = Adjustments

A400 = Allowance Non-Performance

D500 = Handling

F280 = Performance Allowance

I410 = Unsaleable Merchandise Allowance

H850 = Tax

**SAC05      610      Allowance/Charge Total Amount      O      N2 1/15**

Monetary amount

Total Amount of Allowance/Charge

**SAC07      332      Percent      O      R 1/6**

Percent expressed as a percent

**SAC08      118      Rate      O      R 1/9**

Rate expressed in the standard monetary denomination for the currency specified

**SAC12      331      Allowance or Charge Method of Handling Code      O      ID 2/2**

Code indicating method of handling for an allowance or charge

02 = Off Invoice

06 = Charge to be Paid by Customer

**SAC13      127      Reference Identification      CAN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Partners Code

**SAC15      352      Description      CAN 1/80**

A free-form description to clarify the related data elements and their content

Free Form Description

**Segment:** **CTT Transaction Totals**

**Position:** 070

**Loop:**

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Syntax Notes:** 1If either CTT03 or CTT04 is present, then the other is required.

2If either CTT05 or CTT06 is present, then the other is required.

**Semantic Notes:**

**Comments:** 1This segment is intended to provide hash totals to validate transaction completeness and correctness.

#### Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
M	CTT01	<b>354 Number of Line Items</b>	<b>M N0 1/6</b>
		Total number of line items in the transaction set	
		Number of Line Numbers in This Transaction	
	CTT02	<b>347 Hash Total</b>	<b>O R 1/10</b>
		Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	

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

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			Number of Included Transaction Segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			Same as ST02	