



# EDI Implementation Guide

Transaction Set

**810**

Version 4010  
Inbound Invoice

*Revised – September 2006*

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## Department of Veterans Affairs Financial Services Center

### Set-Up and Contact Information

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#### Communications

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	<b>Test</b>	<b>Production</b>
ISA Receiver ID Qualifier		
ISA Receiver ID	Contact FSC for details	Contact FSC for details
GS Receiver ID		

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#### Connectivity

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The Financial Services Center has multiple connectivity options available, please contact us for further information.

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#### Receive Time

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Monday – Friday  
Between 7:00 a.m. and 6:00 p.m. CST

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#### Contact Information

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[FSCeCommerce@va.gov](mailto:FSCeCommerce@va.gov)  
(512) 460-5307

# 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		
						LOOP ID - N1	200
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
M	120	PER	Administrative Communications Contact	M	3		
M	130	ITD	Terms of Sale/Deferred Terms of Sale	M	>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)	F	1		
						LOOP ID - PID	1000
M	060	PID	Product/Item Description	M	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		
	020	TXI	Tax Information	O	10		
						LOOP ID - SAC	25
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

- 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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	<b>M ID 3/3</b>
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	<b>M AN 4/9</b>

**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 Des.	Element	Name	Attributes
M	BIG01	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
M	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
	BIG03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
	BIG04	324	Purchase Order Number	O AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			US Dept of Veterans Affairs Original Purchase Order Number sent	
			A Valid PO# consists of a 9 digit alpha-numeric combinations (e.g., 123C64321).	
			Where 123 = the Station Number	
			C = PO type	
			6 = Fiscal Year	
			4321 = Unique #	
			Note: The "C" and the "6" may be inverted if needed for a unique value	
			<b>An invalid Purchase Order Number may be rejected back to the sender for correction</b>	
	BIG06	327	Change Order Sequence Number	O AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
	BIG07	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**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.

**Notes:** IF N101 = "RE" then  
 N103 = "92" and  
 N104 = "VENDOR TAX ID NUMBER"

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N101	98 <b>Entity Identifier Code</b>	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		RE Party to receive commercial invoice remittance	
		ST Ship To	
	N102	93 <b>Name</b>	X AN 1/60
		Free-form name	
	N103	66 <b>Identification Code Qualifier</b>	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		IF N101 = "RE"	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 <b>Identification Code</b>	X AN 2/80
		Code identifying a party or other code	
		IF N101 = "RE" and	
		IF N103 = "92" then	
		N104 = VENDOR TAX ID NUMBER	

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

**Data Element Summary**

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

**Segment:** **N4 Geographic Location**

**Position:** 100

**Loop:** N1 Mandatory

**Level:** Heading

**Usage:** Mandatory

**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**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	<b>City Name</b>	O AN 2/30
		Free-form text for city name	
N402	156	<b>State or Province Code</b>	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	<b>Postal Code</b>	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 120  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

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

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

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	PER01	366	<b>Contact Function Code</b>	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
	PER02	93	<b>Name</b>	O AN 1/60
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
	PER04	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	

<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>	Mandatory
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify terms of sale
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.</li> <li>2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.</li> <li>3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>
<b>Notes:</b>	If a discount is offered then ITD03 and ITD05 MUST be present

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	<b>Terms Type Code</b> Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
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	O 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
ITD08	362	<b>Terms Discount Amount</b> 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**

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

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 010  
**Loop:** IT1 Floating  
**Level:** Detail  
**Usage:** Floating  
**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.

**Notes:** Not required for invoices that do not have line item charges

**Data Element Summary**

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
IT101	350	<b>Assigned Identification</b>	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
IT102	358	<b>Quantity Invoiced</b>	X R 1/10
		Number of units invoiced (supplier units)	
IT103	355	<b>Unit or Basis for Measurement Code</b>	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
IT104	212	<b>Unit Price</b>	X R 1/17
		Price per unit of product, service, commodity, etc.	
IT106	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VC Vendor's (Seller's) Catalog Number	
		VN Vendor's (Seller's) Item Number	
IT107	234	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
		Vendor's Catalog or Product Number	

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

**Position:** 060

**Loop:** PID Mandatory

**Level:** Detail

**Usage:** Mandatory

**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 Element	Name	Attributes
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

**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 SAC09 or SAC10 is present, then the other is required.
- 3 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- 4 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 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.
- 4 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

**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. Des.	Data Element	Name	Attributes
M SAC01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge	M ID 1/1
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 4/4
SAC05	610	<b>Amount</b> Monetary amount	O N2 1/15
SAC09	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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
SAC10	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
SAC13	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
SAC15	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

**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	Amount Monetary amount	M N2 1/15

**Segment:** **TXI** Tax Information

**Position:** 020

**Loop:**

**Level:** Summary

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
  - 2 If either TXI04 or TXI05 is present, then the other is required.
  - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	<b>Tax Type Code</b> Code specifying the type of tax LS State and Local Sales Tax	M ID 2/2
	TXI02	782	<b>Monetary Amount</b> Monetary amount	X R 1/18

**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 SAC09 or SAC10 is present, then the other 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 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.

**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 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	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		D200 Freight Charges to Destination	
		D240 Freight	
		F050 Other (See related description)	
		G830 Shipping and Handling	
	SAC05	610 Amount	O N2 1/15
		Monetary amount	
	SAC09	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	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	SAC10	380 Quantity	X R 1/15
		Numeric value of quantity	
	SAC15	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

**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:** 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	<b>M N0 1/6</b>
	CTT02	347	<b>Hash Total</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.	<b>O R 1/10</b>

**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

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b>	<b>M NO 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

# Sample 810 Invoice

## Single Line Item Invoice

ST\*810\*0001~  
BIG\*20060906\*9182426677\*\*123C54321~  
N1\*ST\*VA HOSPITAL~  
N3\*1124 Our BLV~  
N4\*Anytown\*US\*12345-1234~  
N1\*RE\*YOUR COMPANY\*92\*987654321~  
PER\*AR\*John Q Public\*TE\*123-456-7890~  
ITD\*05\*\*\*\*\*20061006\*30~  
DTM\*011\*20060906~  
IT1\*1\*1\*EA\*14\*\*VN\*ABC123~  
PID\*F\*\*\*\*PROMO KOOZIE~  
TDS\*1400\*1400\*1400~  
CTT\*1~  
SE\*14\*0001~

## Multiple Line Item Invoice

ST\*810\*0002~  
BIG\*20060906\*9876543210\*\*516A12345~  
N1\*ST\*VA HOSPITAL EDI~  
N3\*10000 Street Address Lane~  
N4\*YOUR CITY\*TX\*78785-1234~  
N1\*RE\*YOUR CO NAME\*92\*123456789~  
N3\*11200 E. 210th Street~  
N4\*Austin\*TX\*78728~  
PER\*AR\*John Q Adams\*TE\*214-555-1212~  
ITD\*05\*\*\*\*\*20061006~  
DTM\*011\*20060906~  
IT1\*1\*5\*EA\*14\*\*VN\*ABCDEFG~  
PID\*F\*\*\*\*DESCRIPTION OFFPART~  
IT1\*2\*10\*EA\*8.06\*\*VC\*987654~  
PID\*F\*\*\*\*Widget~  
TDS\*15060\*15060\*15060~  
CTT\*2~  
SE\*20\*0002~  
ST\*810\*0003~  
BIG\*20060104\*456123789\*\*525A617716~  
N1\*ST\*VA HOSPITAL EDI~  
N3\*11234 Jones Avenue # 100~  
N4\*Austin\*TX\*78777-5432~  
N1\*RE\*Your CO\*92\*987654321~  
N3\*11200 E. 210 HWY~  
N4\*KANSAS CITY\*MO\*64161~  
PER\*AR\*G Washington\*TE\*770-123-4567~  
ITD\*05\*\*\*\*\*20061006~  
DTM\*011\*20060906~  
IT1\*1\*8\*EA\*13.22\*\*VN\*VWXYZ~  
PID\*F\*\*\*\*PERFECT PART~  
IT1\*2\*14\*EA\*14\*\*VN\*KLMNO1~  
PID\*F\*\*\*\*Less than perfect part~  
IT1\*3\*6\*EA\*61.43\*\*VC\*5WXY22~  
PID\*F\*\*\*\*RED PART~  
IT1\*4\*3\*EA\*53.28\*\*VN\*216C2~  
PID\*F\*\*\*\*BLUE PART~  
TDS\*83018\*83018~  
CTT\*4~  
SE\*24\*0003~

*\*\*Sample data provided displays the minimum X12 segments required for payment.  
Additional segments may be provided and will be stored; however, FSC will  
disregard during translation and mapping.*