



**810 - INVOICE**  
**Specification and Vendor Reference Guide**  
**EDI ANSI X12 4010**

VCS 810 Specification - Revision: August 20, 2010

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# Set-Up and Contact Information

## Communications

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ISA Receiver ID Qualifier

**ZZ**

ISA Receiver ID

**DEDIFSCVCSP**

GS Receiver ID

**DEDIFSCVCSP**

## Connectivity

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Direct connection via sFTP protocol

Direct connection via AS2 protocol

VAN

## Contact Information

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Direct EDI has a team of specialists dedicated to guiding you through the VCS EDI enablement process. You can always reach us via email [edi.vcs@directedi.com](mailto:edi.vcs@directedi.com)

# 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.

## Notes:

1. Use this transaction set to transmit commercial invoices to a Veterans Canteen Service (VCS) activity responsible for initiating the payment.
2. During testing the ISA15 = "T". In production the ISA15 = "P".

## 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		
Must Use	050	REF	Reference Numbers	O	2		
						2	
Must Use	070	N1	Name	M	1		
	090	N3	Address Information	O	1		
	100	N4	Geographic Location	O	1		
Must Use	130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
	140	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>
						200000	
Must Use	010	IT1	Baseline Item Data (Invoice)	M	1		
						1	
Must Use	060	PID	Product/Item Description	M	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		
						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O			
	070	ISS	Invoice Shipment Summary	O	1		
Must Use	080	CTT	Transaction Totals	M	1		n3
Must Use	090	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>
	<u>Des.</u>	<u>Element</u>		
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 810 X12.2 Invoice	M ID 3/3
Must Use	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 <i>Use to transmit a unique number assigned by the originator of the transaction set. This number may be system generated.</i>	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  
**Comments:** 1 BIG07 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>
Must Use	BIG01	245	<b>Invoice Date</b> Invoice Issue Date.	M DT 8/8
Must Use	BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer <i>Vendor Assigned. Invoice Number cannot contain any special characters</i>	M AN 1/22
Must Use	BIG03	323	<b>Purchase Order Date</b>	O DT 8/8
Must Use	BIG04	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser <i>From the Original Purchase Order, VCS assigned one per invoice.</i>	O AN 1/22
Must Use	BIG07	640	<b>Transaction Type Code</b>	O ID 2/2

DI Debit Invoice



**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.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual ST Ship To (Also used for location for which services are provided)	M ID 2/2
		VN Vendor	
Must Use	N102	93 Name Free-form name <i>Enter Vendor Name. (N101 = VN)</i> <i>Store Name (N101 = ST)</i>	X AN 1/35
Must Use	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Code assigned by the organization that is the ultimate destination of the transaction set.	X ID 1/2
Must Use	N104	67 Identification Code Code identifying a party or other code <i>Enter Identification Code – assigned by VCS</i> • Vendor Number (N101 = VN) • VCS Location Number (N101 = ST)	X AN 2/17

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

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	N301	166	Address Information Address information	M AN 1/35
			<i>Enter Street Address.</i>	
	N302	166	Address Information Address information	O AN 1/35



**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:**

- 1 At least one of the N401 or N405 must be present.
- 2 If N401 is present, then N402 is required.
- 3 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 USA or Canada.

**Data Element Summary**

Ref.	<u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N401	19	<b>City Name</b> Free-form text for city name	O AN 2/19
Must Use	N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Must Use	N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) <i>Enter ZIP Code as 'XXXXX' or 'XXXXXXXXXX'</i>	O ID 4/9
	N404	26	<b>Country Code</b> Code identifying the country	O ID 2/2

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**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.

**Comments:**

- 1 If the code in ITD01 is "04", then ITD09 is required and either ITD11 or ITD12 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

**Notes:**

1. *ITD03 and ITD04 are Required if discount terms are offered.*

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
ITD03	338	Terms Discount Percent	O	R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
		<i>Must not exceed 5 numeric positions</i>		
	ITD04	370 Terms Discount Due Date	X	DT 8/8
Must Use	ITD06	446 Terms Net Due Date	O	DT 8/8
	ITD08	362 Terms Discount Amount	O	N2 1/10
Must Use	ITD12	352 Description	O	AN 1/80

**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 or DTM03 is required.  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	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
Must Use	DTM02	373	<b>Date</b> Date (YYYYMMDD)	X DT 8/8

**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:** 1 If IT106 is present, then IT107 is required.  
 2 If IT108 is present, then IT109 is required.  
**Semantic Notes:** 1 IT101 is the purchase order line item identification.  
**Notes:** 1. *IT108 and IT109 are required if original purchase order contained requisition number.*

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
IT101	350	<b>Assigned Identification</b> <i>From Purchase Order.</i>	O AN 1/6
Must Use	IT102	<b>358 Quantity Invoiced</b> Number of units invoiced (supplier units) <i>Maximum allowable field length equals 6 numeric positions (no decimals).</i>	M R 1/10
Must Use	IT103	<b>355 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 <i>1. Same as used on Original Purchase Order.</i>	M ID 2/2
Must Use	IT104	<b>212 Unit Price</b> Price per unit of product, service, commodity, etc. <i>Maximum allowable field length equals 11 positions with 4 decimal places: i.e. \$12.35 equals 12.3500.</i>	M R 1/14
Must Use	IT106	<b>235 Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <i>BP VCS Part Number UK GTIN UP U.P.C. Consumer Package Code or EN European Article Number (Ean)</i>	O ID 2/2
Must Use	IT107	<b>234 Product/Service ID</b> Identifying number for a product or service <i>Enter VCS Part Number Enter GTIN Code (1-2-5-5-1) or Enter U.P.C. Consumer Package Code (1-5-5-1) or Enter European Article Number (Ean) (2-5-5-1).</i>	X AN 1/30
	IT108	<b>235 Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <i>VN Vendor's (Seller's) Item Number BP VCS Part Number UK GTIN UP U.P.C. Consumer Package Code or EN European Article Number (EAN)</i>	O ID 2/2
	IT109	<b>234 Product/Service ID</b> Identifying number for a product or service <i>Enter Vendor's (Seller's) Item Number Enter VCS Part Number</i>	X AN 1/30

***Enter GTIN Code (1-2-5-5-1) or  
Enter U.P.C. Consumer Package Code (1-5-5-1) or  
Enter European Article Number (Ean) (2-5-5-1).***

**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  
**Notes:** The VCS allows for a PID segment loop within the IT1 loop of the Detail section of the 810 invoice transaction for a description of the line item billed.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
Must Use	<b>PID01</b>	<b>349 Quantity Qualifier</b> Code indicating the format of a description F Free-form	<b>M N2 1/10</b>
Must Use	<b>PID05</b>	<b>352 Description</b> A free-form description to clarify the related data elements and their content	<b>X AN 1/80</b>

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b> <b>Name</b>	
Must Use	TDS01	361 <b>Total Invoice Amount</b> Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)	M N2 1/10

**Segment:** SAC Service, Promotion, Allowance, or Charge Information

**Position:** 040

**Loop:** SAC Conditional

**Level:** Summary

**Usage:** Conditional

**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

**Notes:** This occurrence of the SAC loop in the summary section is used to express allowance or charges that relate to the entire order and not to a single line item.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	<b>SAC01</b>	<b>248</b>	<b>Allowance or Charge Indicator</b>	<b>M ID 1/1</b>
			Code which indicates an allowance or charge for the service specified	
<b>Must Use</b>	<b>SAC02</b>	<b>1300</b>	<b>Service, Promotion, Allowance, or Charge Code</b>	<b>X ID 4/4</b>
			Code identifying the service, promotion, allowance, or charge	
			Proper Code for Allowance/Charge	
		A410	"alterations"	
		B570	Container Deposits	
		C000	Defective Allowance	
		D200	Freight Charges To Destination	
		D270	Fuel Surcharge	
		D920	Insurance Fee	
		E389	Liquidation total Fees	
		F180	Pallet	
			Recurring Hardware Maintenance	
		G130	Charge	
		G470	Restocking Charge	
		G510	Returnable Container	
		G970	Small Order Charge	
		H850	Tax	
		H830	Tax On Miscellaneous Charges	
		I060	Ticketing Service	
		I170	Trade Discount	
		I410	Unsalable Merchandise Allowance	
<b>Must Use</b>	<b>SAC05</b>	<b>610</b>	<b>Amount</b>	<b>O N2 1/15</b>
			Monetary amount	
	<b>SAC15</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			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>		
Must Use	ISS01	382	<b>Number of Units Shipped</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	<b>M R 1/10</b>
Must Use	ISS02	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	<b>X ID 2/2</b>
	ISS03	81	<b>Weight</b> Numeric value of weight	<b>X R 1/10</b>
	ISS04	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 Identification Qualifier	<b>X ID 2/2</b>
	ISS05	183	<b>Volume</b> Value of volumetric measure	<b>X R 1/8</b>
	ISS06	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 Identification Qualifier	<b>X ID 2/2</b>

**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 CTT03 is present, then CTT04 is required.  
 2 If CTT05 is present, then CTT06 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>
Must Use	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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
<b>Must Use</b>	<b>SE01</b>	<b>96</b>	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M N0 1/6</b>
<b>Must Use</b>	<b>SE02</b>	<b>329</b>	<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>