



810 Invoice Mapping Guide

*Supply Chain Business Partners –
Suppliers, Vendors, and Licensees*

VICS 810 / Version 4010

Carhartt Version Release Number 1.1

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Carhartt, Inc. EDI 810 Mapping Guide

810 INVOICE

Version 4010

Functional Group = IN

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.

Carhartt Test ISA/GS ID:	(ZZ) CARHARTEST2
Carhartt Production ISA/GS ID:	(ZZ) CARHVENDOR
Carhartt VAN:	GXS

Change History:

- **3/26/2015**
 - **Added CTP segment for item level surcharge information**
 - **Updated sample 810 to illustrate CTP usage**
 - **Added usage notes to SAC segment**
 - **Changed field length max from 15 to 10 for N404**

Segment Hierarchy

<u>Segment</u>	<u>Required Usage</u>
ST Transaction Header	M
<i>Invoice Header Segments</i>	
BIG Beginning Segment for Invoice	M
CUR Currency	M
REF Reference Number (Bill of Lading Number)	M
REF Reference Number (Carhartt Assigned Vendor Number)	M
N1 Name (Ship to)	M
N1 Name (Bill To)	O
N1 Name (Supplier)	M
N1 Name (Remit To)	M
N3 Address Information (Remit To)	M
N4 Geographic Location (Remit To)	M
ITD Terms of Sale /Deferred Terms of Sale	O
DTM Date /Time Reference	O
FOB F.O.B. Related Instructions	O
<i>Invoice Detail Segments</i>	
IT1 Baseline Item Data	M
CTP Pricing Information (Surcharges)	C
MEA Measurements	O
PID Product Item Description	O
<i>Invoice Summary Segments</i>	
TDS Total Monetary Value Summary	M
CAD Carrier Detail	M
SAC Service, Promotion, Allowance, or Charge Information	C
ISS Invoice Shipment Summary	O
CTT Transaction Totals	M
SE Transaction Trailer	M

ST Transaction Set Header

To indicate the start of a transaction set and to assign a control number.

EDI Example:

ST*810*0001~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Code uniquely identifying a Transaction Set
ST02	329	Transaction Set Control Number	M	AN	4/9	Unique control number within the functional group Must match SE02

BIG Beginning Segment for Invoice

To indicate the beginning of the Invoice Transaction Set and transmit identifying numbers and dates.

EDI Example:

BIG*20141201*12345678~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
BIG01	373	Invoice Date	M	DT	8/8	Date of Invoice Format = CCYYMMDD
BIG02	76	Invoice Number	M	AN	1/16	Unique Identifying number for Invoice

CUR Currency

To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

EDI Example:

CUR*SE*USD~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CUR01	98	Entity Identifier Code	M	ID	2/3	Code identifying an individual SE – Selling party
CUR02	100	Currency Code	M	AN	3/3	Country code in whose currency the charges are specified USD –U S Dollars

REF Reference Identification

To specify identifying information

EDI Example:

REF*BM*12345678912~

REF*BM*10987654321~

REF*IA*0003456758~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
REF01	128	Reference ID Qualifier	M	ID	2/3	Code qualifying the Reference ID BM – Bill of Lading number or Carrier's PRO# IA – Vendor Number
REF02	127	Reference Identification	C	AN	1/30	Reference information as defined by the REF01 qualifier

Note: Vendors billing for more than one BOL/ASN # per invoice, please use multiple REF_BM segments to communicate each BOL/ASN # - up to 10 segments. The REF_BM on the 810 should mirror that which is submitted on the ASN.

N1 Name

To identify a party by type of organization, name, and code

EDI Example:

N1*ST*Madisonville Cutting*92*2500~

N1*BT*Carhartt Inc.~

N1*SU*Supplier/Vendor Name*92*0000600387~

N1*RI*Remit To Name~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N101	98	Entity Identifier Code	M	ID	2/3	Code identifying an organization or location ST – Ship To BT – Bill to SU -Supplier/Mfg. RI - Remit To
N102	93	Name	M	AN	1/60	Free form name
N103	66	Identification Code Qualifier	C	ID	1/2	ID qualifier 92 –supplier code or ship to customer number
N104	67	ID Code	C	AN	2/80	Location Code

Note: N1_04 is mandatory for ST and SU loops. If no N1ST_04 is transmitted on the 850 (e.g. a drop ship PO with no location code), it is not required on the 810. For vendors with multiple remit-to addresses, the N1_04 is required.

N3 Address Information

To specify the location of the named party

EDI Example:

N3*4550 Hanson Road~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N301	166	Address Information	C	AN	1/35	Address Information
N302	166	Address Information	C	AN	1/35	Additional Address Information

N4 Geographic Location

To specify the geographic place of the named party

EDI Example:

N4*Madisonville*KY*42431~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N401	19	City Name	C	AN	2/30	Free-form text for city name
N402	156	State or Province Code	C	ID	2/2	State Code as defined by government agency
N403	116	Postal Code	C	ID	3/10	Zip code (excluding punctuation and blanks)
N404	26	Country Code	C	ID	2/3	Code Identifying the Country

ITD Terms of Sale

This segment is used to specify the terms of the sale.
Multiple iterations of this segment will be used for secondary terms or installments.

EDI Example:

ITD*08*3*60**60~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
ITD01	336	Terms Type Code	O	ID	2/2	Code identifying type of payment terms 01 -Basic 02 -EOM 03 -Fixed Date 04 -Installment 08 -Basic Discount 09 - Proximo
ITD02	333	Terms Basis Date Code	O	ID	1/2	Code identifying the beginning of the terms period 3 - Invoice Date 4 -Specified Date
ITD03	338	Terms Discount Percent	O	R	1/6	Discount % available if invoice is paid on or before Disc. Due Date
ITD04	370	Terms Discount Due Date	C	DT	8/8	Date payment is due if Discount is to be earned Format = CCYYMMDD
ITD05	351	Terms Discount Days Due	C	N0	1/3	Number of days in the Terms discount period
ITD06	446	Terms Net Due Date	O	DT	8/8	Date when total invoice amount Due Format = CCYYMMDD
ITD07	386	Terms Net Days	O	N0	1/3	Number of days until total invoice amount is due
ITD11	342	Percent of Invoice Payable	C	N0	1/3	Percent of invoice payable in installments (term=ITD07)
ITD12	352	Description	O	AN	1/80	Free-form description to clarify the terms

DTM Date/Time Reference

To specify pertinent dates at the item level

EDI Example:

DTM*011*20141215~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
DTM01	374	Date/Time Qualifier	O	ID	3/3	Code specifying type of date 011 – Shipped date
DTM02	373	Date	O	DT	8/8	Date format = CCYYMMDD

FOB F.O.B. Related Instructions

To specify transportation instructions relating to shipment

EDI Example:

FOB*CC~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
FOB01	146	Shipment Method of Payment	O	ID	2/2	CC – Collect PP – Prepaid

IT1 Baseline Item Data

To specify line item data

EDI Example:

IT1*000100001*1800*YD*2.47BP*A_QU001-BLK***PO*4600003511~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
IT101	350	Assigned Identification	M	AN	1/20	Line Number from PO
IT102	358	Quantity Invoiced	M	R	1/10	Quantity invoiced
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Code specifying the unit of measurement from the Original PO
IT104	212	Unit Price	M	R	1/17	Price per unit of product
IT106	235	Product ID Qualifier	M	ID	2/2	Code identifying the source of the Product ID BP – Buyer’s Part#
IT107	234	Product/Service ID	M	AN	1/48	Identifying number for a product (Customer’s item number)
IT108	235	Product ID Qualifier	O	ID	2/2	Code identifying the source of the Product ID VP – Vendor’s Part#
IT109	234	Product/Service ID	O	AN	1/48	Identifying number for a product
IT110	235	Product ID Qualifier	M	ID	2/2	Code identifying the source of the Product ID PO – PO# Number
IT111	234	Product/Service ID	M	AN	1/48	Identifying number for Purchase Order
IT112	235	Product ID Qualifier	O	ID	2/2	Code identifying the source of the Product ID IZ – Buyer’s Size Code
IT113	234	Product/Service ID	O	AN	1/48	Identifying number for Size
IT114	235	Product ID Qualifier	O	ID	2/2	Code identifying the source of the Product ID BO – Buyer’s Color Code
IT115	234	Product/Service ID	O	AN	1/48	Identifying number for Color

CTP Pricing Information

To specify pricing information

EDI Example:

CTP*WH*ALT***10*NT~** (if the extended cost plus surcharge was \$10)

CTP*WH*ALT***1.5*PE~** (if the price per each including surcharge was \$1.50)

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CTP01	687	Class of Trade Code	O	ID	2/2	Code indicating class of trade WH - Wholesaler
CTP02	236	Price Identifier Code	O	ID	3/3	Code identifying pricing specification ALT – Alternate Price
CTP08	782	Monetary Amount	C	R	1/18	Monetary Amount
CTP09	639	Basis of Unit Price Code	C	ID	2/2	NT – Net Price (extended line item total including surcharge) PE – Per Each (per each price including surcharge)

Note: Any surcharge applied to an individual SKU must be transmitted at the detail level as either an extended line item amount including the surcharge (IT1*02 x IT1*04 + surcharge) or an updated price per each which includes the surcharge (IT1*04 + surcharge). This surcharge should not also be transmitted at a summary level in an SAC segment.

MEA Measurements

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

EDI Example:

MEA*PD*LN*100YD~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Code identifying the broad category to which a measurement applies PD – Physical Dimension
MEA02	738	Measurement Qualifier	O	ID	1/3	G=Gross Weight N=Net Weight LN=Length QL=Quality DP = Depth HT = Height WD = Width
MEA03	739	Measurement Value	O	R	1/20	Value of the Measurement
MEA04	C001	Composite Unit of Measurement	O	Comp		
	355	Unit or Basis for Measurement Code	O	ID	2/2	Code specifying the units in which a value is being expressed or manner in which a measurement has been taken LB YD ZZ

PID Product / Item Description

To describe a product in free-form format

EDI Example:

PID*F**Item Description~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
PID01	349	Item Description Type	O	ID	1/1	Code indicating the format of a description F – Free-form
PID05	352	Description	O	AN	1/80	A Free-form product description

TDS Total Monetary Value Summary

To specify the total invoice discounts and amounts

EDI Example:

TDS*7200*7200*7000~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
TDS01	610	Amount	M	N2	1/15	Total invoice amt. (Detail Line Totals [Qty x Price] plus any SAC charges)
TDS02	610	Amount	O	N2	1/15	Amount upon which terms discount is calculated
TDS03	610	Amount	O	N2	1/15	Amount due if paid by the terms discount due date

CAD

Carrier Detail

To specify transportation details for the transaction

EDI Example:

CAD**RDWY*RoadWay~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CAD04	140	Standard Carrier Alpha Code	O	ID	2/4	SCAC Code
CAD05	387	Routing	O	AN	1/35	Carrier's Identity

SAC Service, Promotion, Allowance, or Charge Information

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance or charge

EDI Example:

SAC*C*D240*7.50*****FREIGHT CHARGE~**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
SAC01	248	Allowance or Charge Indicator	O	ID	1/1	A – Allowance C - Charge
SAC02	1300	Service, Promotion, Allowance or Charge Code	C	ID	4/4	A721 – Brokerage B310 – Commission Amount C530 - Duty Charge C531- Duty Drawback D103 - Foreign Customs Duty C210 - Determined Freight D180 -Freight Based on Dollar Minimum D190 -Freight Charges to Border D200 - Freight Charges to Destination D210 -Freight Equalization D220 -Freight Passthrough D230 -Freight Surcharge D240 -Freight D242 -Freight, International D244 - Freight, International, U.S. Dollars D246 -Freight, International, Non-U.S. Dollars D480 -Handling Charges on Distribution Freight Forwarded Beyond D650 -Home Line Freight Charge D750 -Inbound Freight Charges D760 -Income Freight (Manufacturing to Shipping Point) E810 -Non Generated Freight E890 -Ocean Freight FAKT -Barge Freight All Kinds Service H080 -Special Freight Supplements ZZZZ – Mutually Defined
SAC05	610	Amount	C	N2	1/15	Monetary Amount
SAC15	352	Description	O	AN	1/80	Description of Charge or Allowance

Note: The SAC segment should be sent only for those charges or allowances that are applied to the full order (as opposed to detail level).

ISS Invoice Shipment Summary

To specify summary details of total items shipped in terms of quantity, weight, and volume

EDI Example:

ISS*15*EA*100*LB~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
ISS01	382	Number of Units Shipped	O	R	1/10	Numeric Value of Units Shipped
ISS02	355	Unit or Basis of Measurement Code	O	ID	2/2	Code specifying the units in which the value is being expressed or manner in which a measurement has been taken EA – Each CA – Case
ISS03	81	Weight	O	R	1/10	Numeric Value of Weight
ISS04	355	Unit or Basis of Measurement Code	O	ID	2/2	Code specifying the units in which the value is being expressed or manner in which a measurement has been taken LB – Pounds

CTT Transaction Totals

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

EDI Example:

CTT*1~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CTT01	354	Number of line items	M	N0	1/6	Total number of line items (IT1 segments) in the transaction set

SE Transaction Set Trailer

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning [ST] and ending [SE] segments)

EDI Example:

SE*21*0001~

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
SE01	96	Number of included segments	M	N0	1/10	Total number of segments (incl. ST and SE)
SE02	329	Transaction set control number	M	AN	4/9	Unique identifying control number within the transaction set functional group Must match ST02

810 Invoice Sample:

ST*810*1023~
BIG*20140820*777777~
REF*IA*0000100127~
REF*BM*ZIA1042862~
N1*RI*Remit To*92*0000100127~
N3*Address~
N4*City*NJ*07869*US~
N1*BT*Carhartt Inc.~
N3*5750 Mercury Dr.~
N4*Dearborn*MI*48121*US~
N1*SU*Supplier*92*0000100127~
N3*Address~
N4*City*ST*12345*US~
N1*ST*Madisonville Cutting*92*2500~
N3*4550 Hanson Road~
N4*Madisonville*KY*42431~
ITD*08*3***60**60~
IT1*000100002*1000*EA*15**BP*A_101076-300_REG_3XL***PO*3500000076*IZ*REG3XL
CTP*WH*ALT*****15.07*PE~
PID*F****Mayne Lightweight PVC Coat
IT1*000100003*1000*EA*14.15**BP*A_101076-300_REG_L***PO*3500000076*IZ*REGL
CTP*WH*ALT*****14.5*PE~
PID*F****Mayne Lightweight PVC Coat
IT1*000100004*1000*EA*14.15**BP*A_101076-300_REG_M***PO*3500000076*IZ*REGM
PID*F****Mayne Lightweight PVC Coat
IT1*000200002*1000*EA*14.5**BP*A_101076-701_TLL_2XL***PO*3500000076*IZ*TLL2XL
PID*F****Mayne Lightweight PVC Coat
IT1*000200003*1000*EA*14.5**BP*A_101076-701_TLL_L***PO*3500000076*IZ*TLLL
PID*F****Mayne Lightweight PVC Coat
IT1*000200004*1000*EA*14.5**BP*A_101076-701_TLL_XL***PO*3500000076*IZ*TLLXL
PID*F****Mayne Lightweight PVC Coat
TDS*8690000
CAD****MRKU
CTT*6
SE*35*1023

If submitting the CTP segment with net price instead of price per each as illustrated above and there is a surcharge of .07 per unit, the IT1 loop should look like this (1000ea x \$15 + \$70):

IT1*000100002*1000*EA*15**BP*A_101076-300_REG_3XL***PO*3500000076*IZ*REG3XL
CTP*WH*ALT*****1507000*NT~