Carlyle & Company Jewelers
4040 VICS 810 Invoice Implementation Guideline

This document defines the minimum requirements and use of the ANSI X12 810 Invoice for the purpose of sending Vendor Invoices using the Carlyle & Co. software. The 810 defined below follows many of the VICS guidelines for the proper use of the 810 within the retail industry. Several examples have also been included to demonstrate proper construction of these segments in order to relay specific quantity, costing and allowance information from the vendor.

810 INVOICE SEGMENT HIERARCHY

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ISA            INTERCHANGE CONTROL HEADER              ← Interchange Start
   GS          FUNCTIONAL GROUP HEADER                 ← Functional Group Start
      ST    TRANSACTION SET HEADER                     ← Transaction Start
        BIG BEGINNING SEGMENT FOR INVOICE              ← Header
        N1  NAME
        ITD TERMS OF SALE/DEFERRED TERMS OF SALE
        IT1 BASELINE ITEM DATA                         ← Detail
        TDS TOTAL MONETARY VALUE SUMMARY               ← Summary
        SAC SERVICE, ALLOWANCE, PROMOTION OR CHARGE
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   GE          FUNCTIONAL GROUP TRAILER                ← Functional Group End
IEA            INTERCHANGE CONTROL TRAILER             ← Interchange End
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ISA – INTERCHANGE CONTROL HEADER (Mandatory, 1 per Interchange)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
ISA01 I01	Authorization Information Qualifier	'00'	M ID 2/2	
ISA02 I02	Authorization Information	' '	M AN 10/10	
ISA03 I03	Security Information Qualifier	'00'	M ID 2/2	
ISA04 I04	Security Information	' '	M AN 10/10	
ISA05 I05	Interchange ID Qualifier	'01' Duns Number '14' Duns + Suffix '12' Telephone Number These are most common, others are allowed	M ID 2/2	
ISA06 I06	Interchange Sender ID	Duns or Duns + Suffix or Telephone Number Sender ID	M AN 15/15	
ISA07 I05	Interchange ID Qualifier	'12' Telephone Number	M ID 2/2	
ISA08 I07	Interchange Receiver ID	3362942679	M AN 15/15	
ISA09 I08	Interchange Date	Interchange Date 'YYMMDD'	M DT 6/6	
ISA10 I09	Interchange Time	Interchange Time 'HHMM'	M TM 4/4	
ISA11 I10	Interchange Control Standards ID	'U' U.S. EDI Community of ASC X12, TDCC and UCS	M ID 1/1	
ISA12 I11	Interchange Control Version Number	'00404' ASC X12 Version 4, Release 4	M ID 5/5	

ISA13 I12	Interchange Control Number	Sequentially assigned by sender starting at 1 and incremented for each interchange sent to this trading partner.	M N0 9/9	
ISA14 I13	Acknowledgement Requested	'0' No Acknowledgment requested at the Interchange level	M ID 1/1	
ISA15 I14	Test Indicator	'P' Production 'T' Test	M ID 1/1	
ISA16 I15	Component Element Separator	'>' This character designates the character used to delimit component elements	M 1/1	
Example	ISA*00* *00* *12*1234567890*12*3362942679*080707*0345* U*00404*000000001*0*P*> This interchange is from sender '1234567890' to receiver '3362942679'. It was created on July 7th 2008 at 03:45am. Its format is governed by ASC X12 Version 4, release 4 '4040' and is the first interchange from the sender. No Interchange Acknowledgement is requested and it is Production data. The '>' will be used as a composite element separator.				

GS – FUNCTIONAL GROUP HEADER (Mandatory, 1 per Functional Group)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
GS01 479	Functional Identifier Code	'IN' Invoice	M ID 2/2	
GS02 142	Application Sender's Code	Sender's Code Usually the same as the ISA06 element	M AN 2/15	
GS03 124	Application Receiver's Code	Receiver's Code Usually the same as the ISA08 element	M AN 2/15	
GS04 373	Date	Date 'CCYYMMDD'	M DT 8/8	
GS05 337	Time	'HHMM' 'HHMMSS' 'HHMMSSDD'	M TM 4/8	
GS06 28	Group Control Number	Sequentially assigned within functional group and trading partner, must always be unique	M N0 1/9	
GS07 455	Responsible Agency Code	'X' Accredited Standards Committee X12	M ID 1/2	
GS08 480	Version/Release/Industry Code	'004040VICS'	M AN 1/12	
Example	GS*IN*1234567890*3362942679*080707*0345*1*X*004040VICS This group of Invoice information is from sender '1234567890' and to receiver '3362942679'. It was created July 7th 2008 at 3:45am. This is the first group of Invoices being sent to this trading partner.			

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ST - TRANSACTION SET HEADER (Mandatory, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
ST01 143	Transaction Set ID Code	'810' Invoice	M ID 3/3	
ST02 329	Transaction Set Control Number	Sequentially assigned within Functional Group starting at 0001	M AN 4/9	EDIAPH1/EHCNTL EDIAPD1/EDCNTL EDIAPA1/EDACTL
Example	ST*810*0001 This is the first 810 transaction within the functional group sent by the vendor.			

BIG - BEGINNING SEGMENT FOR INVOICE (Mandatory, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
BIG01 373	Date 'CCYYMMDD'	Invoice Date	M DT 8/8	EDIAPH1/EHIND8
BIG02 76	Invoice Number	Vendor Invoice Number	M AN 1/22	EDIAPH1/EHINVC
BIG04 324	Purchase Order Number	Purchase Order Number	O AN 1/22	EDIAPH1/EHPO
BIG05 328	Release Number	Back-Order Number	O AN 1/30	EDIAPH1/EHBO
Example	BIG*20080707*345923**123456*00 Vendor Invoice Number 345923, dated July 7th, 2008 for Purchase Order 123456.			

N1 – NAME (Optional, max 3 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
N101 98	Entity Identifier Code	'ST' Ship To 'BS' Bill/Ship To 'AG' Agent/Agency 'VN' Vendor	M ID 2/3	
N103 66	Identification Code Qualifier	'92' Assigned by Buyer or Buyers Agent	C ID 1/2	
N104 67	Identification Code	Location ID	C AN 2/20	EDIAPH1/EHSTR EDIAPH1/EHOTH EDIAPH1/EHVNDR EDIAPD1/EDVNDR EDIAPA1/EDAVND
Example	N1*ST**92*302 N1*AG**92*908 N1*VN**92*3033 The 'Shipped-To' is retailers location #302, the vendors agency (factor) is 908 and the Vendors Number is 3033. This segment must be mapped conditionally! If the qualifier is 'ST' or 'BS', map N104 to EHSTR. If the qualifier is 'AG' map N104 to EHOTH. When the qualifier is 'VN', map N104 to EDIAPH1/EHVNDR, EDIAPD1/EDVNDR & EDIAPA1/EDAVND.			

ITD – TERMS OF SALE/DEFERRED TERMS OF SALE (Optional, max 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
ITD03 338	Terms Discount Percent	Terms Discount Percent	O R 1/6	EDIAPH1/EHDSPR
ITD04 370	Terms Discount Due Date 'CCYYMMDD'	Terms Discount Due Date	C DT 8/8	EDIAPH1/EHTRD8
ITD06 446	Terms Net Due Date 'CCYYMMDD'	Terms Net Due Date	O DT 8/8	EDIAPH1/EHNTD8
ITD08 362	Terms Discount Amount	Terms Discount Amount	O N2 1/10	EDIAPH1/EHDISC
Example	ITD***5*20080707**20080730**2550 Terms discount is 5%, the due date is July 7th, 2008, the net due date is July 30th, 2008. The discount amount is 25.50.			

IT1 – BASELINE ITEM DATA (Mandatory, max 200000 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
IT102 358	Quantity Invoiced	Quantity Invoiced	C R 1/10	EDIAPD1/EDQTY
IT103 355	Unit or Basis for Measurement Code	Unit of Measure 'EA'	C ID 2/2	
IT104 212	Unit Price	Unit Price	C R 1/17	EDIAPD1/EDUCST
IT106 235	Product/Service ID Qualifier	'CB' Buyer's SKU 'VC' Vendors Part # 'UI' U.P.C. Consumer Package Code 'UP' U.P.C. Consumer Package Code	C ID 2/2	EDIAPD1/EDUPCQ
IT107 234	Product/Service ID	Item Identification	C AN 1/48	EDIAPD1/EDUPCC EDIAPD1/EDSKU EDIAPD1/EDVPRT
Example	IT1**1*EA*162.50**UP*123456789012 1 unit of Vendor's UPC Number 123456789012 for a price of $162.50 per item. This segment must be mapped conditionally! If the qualifier is 'CB' map IT107 to EDSKU. If the qualifier is 'VC' map IT107 to EDVPRT. When the qualifier is 'UI' or 'UP', map IT107 to EDUPCC.			

TDS - TOTAL MONETARY VALUE SUMMARY (Mandatory, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
TDS01 610	Amount	Total amount of invoice (including charges, less allowances) before terms discount	M N2 1/15	EDIAPH1/EHIAMT
TDS02 610	Amount	Amount upon which the terms discount amount is calculated	O N2 1/15	EDIAPH1/EHIASD
TDS03 610	Amount	Amount of invoice due if paid by terms discount due date (total invoice or	O N2 1/15	EDIAPH1/EHINET

		installment amount less cash discount)		
TDS04 610	Amount	Total amount of terms discount	O N2 1/15	EDIAPH1/EHIDSC
Example	TDS*10000*7500*9000*1000 Invoice total is $100.00, terms discount applies to $75.00 of that. If paid by terms the total is $90.00. Total terms discount is $10.00			

SAC – SERVICE, PROMOTION, ALLOWANCE OR CHARGE INFORMATION (Optional, max 25 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
SAC01 248	Allowance/Charge Indicator	'A' Allowance 'C' Charge	M ID 1/1	EDIAPA1/EDATYP
SAC02 1300	Service, Promotion, Allowance or Charge Code	Allowance/Charge Code	C ID 4/4	EDIAPA1/EDACDE
SAC05 610	Amount	Amount	O N2 1/15	EDIAPA1/EDAAMT
SAC15 352	Description	Description	C AN 1/80	EDIAPA1/EDADSC
Example	SAC*C*D240***2237**********Freight Charge This is a line item freight charge or $22.37			

SE – TRANSACTION SET TRAILER (Mandatory, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
SE01 96	Number of Included Segments	Total number of segments in this transaction including the ST and SE segments	M N0 1/10	
SE02 329	Transaction Set Control Number	Sequentially assigned within Functional Group by vendor (Must be the same as the ST02 element	M AN 4/9	
Example	SE*52*1 There were 52 segments in these transactions and is for transaction 1.			

GE – FUNCTIONAL GROUP TRAILER (Mandatory, 1 per Functional Group)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
GE01 97	Number of Transaction Sets Included	Number of transactions within this functional group	M N0 1/6	
GE02 28	Group Control Number	Function Group Control number, must be the same as the GS segment, element 06	M N0 1/9	
Example	GE*1*1 This is the first functional group. There was 1 transaction within it.			

IEA – INTERCHANGE CONTROL TRAILER (Mandatory, 1 per Interchange)

Element Element #	Description	Qualifiers Definition	Attribute	'Map To' File/Field
IEA01 I16	Number of Included Functional Groups	Number of Functional Groups	M N0 1/5	
IEA02 I12	Interchange Control Number	Interchange Control Number, must be the same as the ISA segment, element 13	M N0 9/9	
Example	IEA*1*0001 This is the first interchange. There was 1 functional group within it.			