

# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

This document defines the minimum requirements and use of the ANSI X12 850 Purchase Order for the purpose of sending Retailer Orders to the product Vendors within the Carlyle & Co. software. The 850 defined below follows many of the VICS guidelines for the proper use of the 850 within the retail industry. Several examples have also been included to demonstrate proper construction of these documents in order to relay specific quantity and shipping/billing information to the vendor.

### 850 PURCHASE ORDER SEGMENT HIERARCHY

ISA	INTERCHANGE CONTROL HEADER	← Interchange Start
GS	FUNCTIONAL GROUP HEADER	← Functional Group Start
ST	TRANSACTION SET HEADER	← Transaction Start
BEG	BEGINNING SEGMENT FOR PURCHASE ORDER	← Header
CUR	CURRENCY	
PER	ADMINISTRATIVE COMMUNICATIONS CONTACT	
FOB	F.O.B. RELATED INSTRUCTIONS	
CSH	SALES REQUIREMENTS	
ITD	TERMS OF SALE, DEFERRED TERMS OF SALE	
DTM	DATE/TIME REFERENCE	
N1	NAME	
N3	ADDRESS INFORMATION	
N4	GEOGRAPHIC LOCATION	
PO1	BASELINE ITEM DATA	← Detail
CTT	TRANSACTION TOTALS	← Summary
SE	TRANSACTION SET TRAILER	← Transaction End
GE	FUNCTIONAL GROUP TRAILER	← Functional Group End
IEA	INTERCHANGE CONTROL TRAILER	← Interchange End

### ISA - INTERCHANGE CONTROL HEADER (Mandatory, 1 per Interchange)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' 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	'12' Telephone Number	M ID 2/2	
ISA06 I06	Interchange Sender ID	3362942679	M AN 15/15	
ISA07 I05	Interchange ID Qualifier	'01' Duns number '14' Duns + Suffix '12' Telephone Number These are most common, others are allowed	M ID 2/2	
ISA08 I07	Interchange Receiver ID	Duns or Duns + Suffix or Telephone Number Receiver ID	M AN 15/15	
ISA09 I08	Interchange Date	Interchange Date 'YYMMDD'	M DT 6/6	
ISA10 I09	Interchange Time	Interchange Time	M TM 4/4	

# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

		'HHMM'		
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	<p>ISA*00* *00* *12*3362942679*12*1234567890*080318*0345*            U*00404*000000001*0*P*&gt;            This interchange is from sender '3362942679' to receiver '1234567890'. It was created on March 18<sup>th</sup> 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 '&gt;' will be used as a composite element separator.</p>			

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

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
GS01 479	Functional Identifier Code	'PO' Purchase Order	M ID 2/2	
GS02 142	Application Sender's Code	Sender's Code Usually the same as the ISA06 element 3362942679	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' GSY2K	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	'004040VICS'	M AN 1/12	

# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

	Code			
Example	GS*PO*3362942679*1234567890*080318*0345*1*X*004040VICS This group of Purchase Order information is from sender '3362942679' and to receiver '1234567890'. It was created March 18 <sup>th</sup> 2008 at 3:45am. This is the first group of Purchase Orders being sent to this trading partner.			

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

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
ST01 143	Transaction Set ID Code	'850' Purchase Order	M ID 3/3	
ST02 329	Transaction Set Control Number	Sequentially assigned within Functional Group starting at 0001	M AN 4/9	
Example	ST*850*0001 This is the first 850 transaction within the functional group sent by Carlyle & Co.			

### BEG - BEGINNING SEGMENT FOR PURCHASE ORDER (Mandatory, 1 per Transaction)

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
BEG01 353	Transaction Set Purpose Code	'00' Original	M ID 2/2	
BEG02 92	Purchase Order Type Code	'SA' Stand-Alone Order 'RE' Replenishment Order	M ID 2/2	
BEG03 324	Purchase Order Number	Purchase Order Number	M AN 1/22	EDIPOH/EHPO
BEG04 328	Release Number	Back-Order Number	O AN 1/30	EDIPOH/EHBO
BEG05 373	Date	P.O. Date 'CCYYMMDD'	M DT 8/8	EDIPOH/EHPOD8
Example	BEG*00*SA*123456**20080318 This is Purchase Order number 123456 and is dated March 18 <sup>th</sup> 2008.			

### CUR - CURRENCY (Optional, 1 per Transaction)

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
CUR01 98	Entity Identifier Code	'BY' Buying Party	M ID 2/2	
CUR02 100	Currency Code	Buying Party Currency	M ID 3/3	EDIPOH/EHHCUR
CUR04 98	Entity Identifier Code	'SE' Selling Party	O ID 2/2	
CUR05 100	Currency Code	Selling Party Currency	O ID 3/3	EDIPOH/EHVCUR
Example	CUR*BY*USD**SE*USD The buying party (retailer) relates values in U.S. Dollars. The selling party (vendor) relates values in U.S. Dollars.			

### PER - ADMINISTRATIVE COMMUNICATIONS CONTACT (Optional, max 1 per Transaction)

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
PER01 366	Contact Function Code	'BD' Buyer Name	M ID 2/2	
PER02 93	Name	Buyer Name	O AN 1/35	EDIPOH/EHBUYR
Example	PER*BD*Deb Ruffino The retail buyer for this Purchase Order is Deb Ruffino.			

# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

### FOB - F.O.B. RELATED INSTRUCTIONS (Optional, max 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
FOB01 146	Shipment Method of Payment	'MX' Mixed	M ID 2/2	
FOB02 309	Location Qualifier	'DE' Destination 'OR' Origin	C ID 1/2	EDIPOH/EHFOBL
FOB03 352	Description	FOB Instructions	O AN 1/80	EDIPOH/EHFOBI
Example	FOB*MX*OR*Shipping Point Free On Board is from the Origin 'Shipping Point'.			

### CSH - SALES REQUIREMENTS (Optional, max 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
CSH01 563	Sales Requirements Code	'Y' Back Order if Out of Stock 'N' No Back Order	O ID 1/2	EDIPOH/EHALBO
Example	CSH*N If the item is out of stock, it may not be 'back-ordered'.			

### ITD - TERMS OF SALE, DEFERRED TERMS OF SALE (Optional, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
ITD02 333	Terms Basis Date Code	'2' Delivery Date	O ID 1/2	
ITD03 338	Terms Discount Percent	Terms Discount Percent	O R 1/6	EDIPOH/EHTPCT
ITD04 370	Terms Discount Due Date	Terms Discount Due Date 'CCYMMDD'	C DT 8/8	EDIPOH/EHTDT8
ITD05 351	Terms Discount Days Due	Terms Discount Days Due	C N0 1/3	EDIPOH/EHTDAY
ITD12 352	Description	Description	O AN 1/80	EDIPOH/EHTDSC
Example	ITD**2*10*20080630*30*****10% Net 30 The terms are defined as 10% net 30 days due on June 30 <sup>th</sup> , 2008			

### DTM - DATE/TIME REFERENCE (Optional, max 2 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
DTM01 374	Date/Time Qualifier	'001' Cancel After '010' Requested Ship	M ID 3/3	
DTM02 373	Date	Date 'CCYMMDD'	C DT 8/8	EDIPOH/EHCAN8 EDIPOH/EHEXR8
Example	DTM*001*20081010 DTM*010*20080910 Shipment is requested on September 10 <sup>th</sup> , 2008; Cancel after October 10 <sup>th</sup> , 2008. This segment will require conditional mapping for element DTM01. If the Cancel Date is not '0', map '001' to DTM01 and write the segment. If the Requested Ship Date is not '0', map '010' to DTM01 and write the segment.			

### N1 - NAME (Optional, max 2 per Transaction)

Element		Qualifiers		'Map From'
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# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

Element #	Description	Definition	Attribute	File/Field
N101 98	Entity Identifier Code	'ST' Ship To 'BT' Bill To	M ID 2/2	
N102 93	Name	Name	C AN 1/35	EDIPOH/EHSTNM EDIPOH/EHBTNM
N103 66	Identification Qualifier Code	'92' Assigned by Buyer	C ID 1/2	
N104 67	Identification Code	Location	C AN 2/20	EDIPOH/EHSTLC EDIPOH/EHBTLC
Example	N1*ST*Carlyle & Co. 212*92*212 N1*BT*Carlyle & Co. Home Office*92*90001 This segment will be mapped conditionally. If Ship-To Name or Ship-To Location is not blank, map their values to N102 & N104. Place 'ST' in N101 and '92' in N103. Write the segment. If Bill-To Name or Bill-To Location is not blank, map their values to N102 & N104. Place 'BT' in N101 and '92' in N103. Write the segment. See examples for the N3 and N4 segments.			

### N3 - ADDRESS INFORMATION (Optional, 1 per N1 loop)

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
N301 166	Address Information	Address	M AN 1/35	EDIPOH/EHSTA1 EDIPOH/EHBTA1
N302 166	Address Information	Address	O AN 1/35	EDIPOH/EHSTA2 EDIPOH/EHBTA2
Example	N1*ST*Carlyle & Co. 212*92*212 N3*644 Friendly Center N1*BT*Carlyle & Co. Home Office*92*90001 N3*P O Box 26085 This segment will be mapped conditionally. If Ship-To Address 1 is not blank, map the value to N301. If Ship-To Address 2 is not blank, map the value to N302. If Bill-To Address 1 is not blank, map the value to N301. If Bill-To Address 2 is not blank, map the value to N302. See examples for the N1 and N4 segments.			

### N4 - GEOGRAPHIC LOCATION (Optional, 1 per N1 loop)

Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
N401 19	City Name	City Name	O AN 2/30	EDIPOH/EHSTCT EDIPOH/EHBTCT
N402 156	State or Province Code	State or Province Code	O ID 2/2	EDIPOH/EHSTST EDIPOH/EHBTST
N403 116	Postal Code	Postal Code	O ID 3/15	EDIPOH/EHSTZP EDIPOH/EHBTZP
N404 26	Country Code	Country Code	O ID 2/3	EDIPOH/EHSTCN EDIPOH/EHBTGN
Example	N1*ST*Carlyle & Co. 212*92*212 N3*644 Friendly Center N4*Greensboro*NC*27408-7803*USA N1*BT*Carlyle & Co. Home Office*92*90001 N3*P O Box 26085 N4*Greensboro*NC*27420*USA This segment will be mapped conditionally. See examples for the N1 and N3 segments.			

# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

### PO1 - BASELINE ITEM DATA (Mandatory, Max Use 100000 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
PO102 330	Quantity Ordered	Quantity Ordered	C R 1/9	EDIPOD/EDBQTY
PO103 355	Unit or Basis for Measurement Code	Unit of Measure	O ID 2/2	EDIPOD/EDUOM
PO104 212	Unit Price	Unit Price	C R 1/17	EDIPOD/EDCST
PO106 235	Product/Service ID Qualifier	'UI' U.P.C. Consumer Package Code 'UP' U.P.C. Consumer Package Code	C ID 2/2	EDIPOD/EDUPCQ
PO107 234	Product/Service ID	UPC Number	C AN 1/40	EDIPOD/EDUPC
PO108 235	Product/Service ID Qualifier	'CB' Buyers Catalog Number	C ID 2/2	
PO109 234	Product/Service ID	SKU Number	C AN 1/40	EDIPOD/EDSKU
PO110 235	Product/Service ID Qualifier	'VC' Vendors Catalog Number	C ID 2/2	
PO111 234	Product/Service ID	Vendor Part Number	C AN 1/40	EDIPOD/EDVPRT
Example	PO1**1*EA*162.50**UP*123456789012*CB*908879*VC*H31211955 This segment will require conditional mapping. If the UPC Number is not '0', map 'UP' to PO106. If the Sku Number is not '0', map 'CB' to PO108. If the Vendor Part Number is not 'blank', map 'VC' to PO110.			

### CTT - TRANSACTION TOTALS (Optional, max 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
CTT01 354	Number of Line Items	Number of Line Items	M NO 1/6	
CTT02 347	Hash Total	Hash Total	O R 1/10	
Example	CTT*10*17 This Purchase Order contains 10 line items with a total of 17 quantities.			

### SE - TRANSACTION SET TRAILER (Mandatory, 1 per Transaction)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
SE01 96	Number of Included Segments	Total number of segments in this transaction including the ST and SE segments	M NO 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*0001 There were 52 segments in this transactions and is for transaction 1			

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

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
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# Carlyle & Company Jewelers

## 4040 VICS 850 Purchase Order Implementation Guideline

GE01 97	Number of Transaction Sets Included	Number of transactions within this functional group	M NO 1/6	
GE02 28	Group Control Number	Function Group Control number, must be the same as the GS segment, element 06	M NO 1/9	
Example	GE*1*1 This is the first functional group and there were 1 transaction within it.			

### IEA - INTERCHANGE CONTROL TRAILER (Mandatory, 1 per Interchange)

Element Element #	Description	Qualifiers Definition	Attribute	'Map From' File/Field
IEA01 I16	Number of Included Functional Groups	Number of Functional Groups	M NO 1/5	
IEA02 I12	Interchange Control Number	Interchange Control Number, must be the same as the ISA segment, element 13	M NO 9/9	
Example	IEA*1*000000001 This is the first interchange. There was 1 functional group within it.			