

875 Grocery Products Purchase Order

Functional Group ID=**OG**

Introduction:

This convention contains the format and establishes the data contents of the Grocery Products Purchase Order Transaction Set (875) used by Valero Energy Corporation in the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to provide for customary and established grocery industry practice relative to the placement of purchase orders for finished goods in a retail or wholesale consumer market. This standard can be used by a retailer or wholesaler organization to request delivery of finished goods from a broker or supplier organization. This transaction set should not be used to convey purchase order changes or purchase order acknowledgement information.

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	G50	Purchase Order Identification	M	1		
Not Used	030	N9	Reference Identification	O	50		
Not Used	040	G61	Contact	O	3		
M	050	G62	Date/Time	M	10		
Not Used	060	NTE	Note/Special Instruction	O	20		
Not Used	070	G66	Transportation Instructions	O	1		
Not Used	080	G23	Terms of Sale	O	20		n1
LOOP ID - 0100						10	
M	090	N1	Name	M	1		n2
Not Used	100	N2	Additional Name Information	O	1		
Not Used	110	N3	Address Information	O	2		
Not Used	120	N4	Geographic Location	O	1		
LOOP ID - 0200						100	
Not Used	130	G72	Allowance or Charge	O	1		
Not Used	140	G73	Allowance or Charge Description	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 - 0300						9999	
M	010	G68	Line Item Detail - Product	M	1		
Not Used	020	G69	Line Item Detail - Description	O	5		
Not Used	030	G70	Line Item Detail - Miscellaneous	O	2		
Not Used	040	N9	Reference Identification	O	10		
Not Used	050	G23	Terms of Sale	O	20		n3
LOOP ID - 0310						100	
Not Used	060	G72	Allowance or Charge	O	1		
Not Used	070	G73	Allowance or Charge Description	O	10		
LOOP ID - 0320						9999	
Not Used	080	N1	Name	O	1		
Not Used	090	QTY	Quantity	O	1		
Not Used	100	N9	Reference Identification	O	10		

LOOP ID - 0330			100
Not Used	110	SLN	Subline Item Detail O 1
Not Used	120	G72	Allowance or Charge O >1

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	010	G76	Total Purchase Order	M	1		
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The G23 segment can be used at the header level or detail level, but not both. When it is used at the detail level, there must be at least one occurrence of the G23 segment for each iteration of the G68 segment.
2. One occurrence of the N1 loop must be used to identify the party to whom the merchandise is to be shipped.
3. The G23 segment can be used at the header level or detail level, but not both. When it is used at the detail level, there must be at least one occurrence of the G23 segment for each iteration of the G68 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **G50** Purchase Order Identification
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying dates and numbers for this transaction set
Syntax Notes: 1 If either G5005 or G5006 is present, then the other is required.
Semantic Notes: 1 G5002 is the date assigned by the purchaser to the purchase order.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G5001	473	Order Status Code Code identifying purpose of transaction set Valero uses the value of "N" for original value Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	G5002	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	G5003	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
X	G5004	441	Tax Exempt Code Code identifying exemption status from sales and use tax Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X	G5005	474	Master Reference (Link) Number Reference number assigned by the sender to relate a transaction set to a master transaction (When associating a group of purchase orders, invoices or other transaction sets, use the master reference (link) number to identify the group and the link sequence number to identify individual transaction sets within the group)	X AN 1/22
X	G5006	472	Link Sequence Number A two-part number in the form "SSSTTT" where "SSS" is a sequentially assigned number and "TTT" equals the highest sequential number being used within the associated (linked) group (Leading zeros are required for both "SSS" and "TTT")	X N0 6/6
X	G5007	92	Purchase Order Type Code Code specifying the type of Purchase Order Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **G62** Date/Time
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6201	432	Date Qualifier Code specifying type of date Valero uses only the value of "02" for Delivery Expected on this date. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	G6202	373	Date Date expressed as CCYYMMDD The value is the expected date for Delivery	M DT 8/8
X	G6203	176	Time Qualifier Code specifying the reported time Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	G6204	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
X	G6205	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **N1** Name
Position: 090
Loop: 0100 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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual The only values used by Valero are "VN" for Vendor Name and "ST" for Ship to location. Only two occurrences of the "N1" Loop are sent. Refer to 004010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X AN 1/60
		Free-form name When Valero uses the "VN" Qualifier then the Value in this element is "COREMARK". When Valero uses the "ST" Qualifier the value of this element is "DIAMONDSHAM"	
	N103	66 Identification Code Qualifier	O ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) This element is only used with the "ST" Qualifier for the Entity Identifier Code. The value sent in this field is "91". Refer to 004010 Data Element Dictionary for acceptable code values.	
	N104	67 Identification Code	O AN 2/80
		Code identifying a party or other code The value of this element when used with a "ST" Entity Identifier Code is the Ship to location Code for a Diamond Shamrock or Valero Location. The size of this field is 4 characters.	
X	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	
	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **G68** Line Item Detail - Product
Position: 010
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used purchase order line item data
Syntax Notes:

- 1 At least one of G6804 or G6805 is required.
- 2 If either G6805 or G6806 is present, then the other is required.
- 3 If either G6807 or G6808 is present, then the other is required.
- 4 If either G6810 or G6811 is present, then the other is required.

Semantic Notes:
Comments:

- 1 G6802 qualifies G6801.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6801	330	Quantity Ordered Quantity ordered	M R 1/15
M	G6802	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken The unit of measure that Valero will send is "EA" for each. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
X	G6803	237	Item List Cost Gross unit cost within the appropriate price bracket for a line item	O R 1/9
X	G6804	438	U.P.C. Case Code Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)	O AN 12/12
M	G6805	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) The value used in this situation is "VN" for Vendor or "Seller's ID" Number. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	G6806	234	Product/Service ID Identifying number for a product or service Valero's Product Numbers	M AN 1/48
X	G6807	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	G6808	234	Product/Service ID Identifying number for a product or service	O AN 1/48
	G6809	417	Price Bracket Identifier Identifier assigned by the vendor for a specific price bracket	O AN 1/3
X	G6810	258	Quantity Cost Cost per unit as expressed in the associated data element 355 (Unit of Measure) whenever unit is different than the quantity ordered	O N4 1/9
X	G6811	355	Unit or Basis for Measurement Code 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.	O ID 2/2

G6812	439	Price List Number Identification number assigned by a vendor to a price list	O AN 1/16
G6813	440	Price List Issue Number Number assigned to revised or new issues of a price list	O AN 1/16
G6814	857	Pre-Price Quantity Designator Number of units for which retail value is quoted	O N6 1/9
G6815	858	Retail Pre-Price Retail value to be placed/printed for an item appearing on the transmitted purchase order	O R 1/9

Segment: **G76 Total Purchase Order**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method

Syntax Notes: 1 If either G7603 or G7604 is present, then the other is required.
 2 If either G7605 or G7606 is present, then the other is required.
 3 If G7607 is present, then G7604 is required.

Semantic Notes: 1 G7608 indicates the total monetary amount of the purchase order as determined by the buyer.

Comments: 1 G7602 qualifies G7601.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G7601	330	Quantity Ordered Quantity ordered	M R 1/15
M	G7602	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken The value used is "EA" for each. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
X	G7603	81	Weight Numeric value of weight	O R 1/10
X	G7604	355	Unit or Basis for Measurement Code 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.	O ID 2/2
X	G7605	183	Volume Value of volumetric measure	O R 1/8
X	G7606	355	Unit or Basis for Measurement Code 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.	O ID 2/2
	G7607	398	Order Sizing Factor A product specification other than gross or net weight, or cubic feet for a line item or transaction used for order sizing and pricing purposes	O R 1/10
	G7608	610	Amount Monetary amount	O N2 1/15
	G7609	417	Price Bracket Identifier Identifier assigned by the vendor for a specific price bracket	O AN 1/3
	G7610	107	Payment Method Code Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2

Segment: **SE** Transaction Set Trailer
Position: 020
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9