

880 Grocery Products Invoice

Functional Group ID=**GP**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Grocery Products Invoice Transaction Set (880) for use within 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 billing details for finished goods in retail or wholesale consumer market. The supplier or broker organization can use the transaction set to request payment from a retailer or wholesaler organization. This transaction set is to be used for standalone detail billing and cannot be used for statement billing or credit/debit adjustments.

Notes:

The G23 segment must be sent at the header level.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	G01	Invoice Identification	M	1		
	040	G61	Contact Identification		1		
M	050	G62	Date/Time	M	1		
	080	G23	Terms of Sale	O	20		N1
						LOOPID - 0100	10
M	100	N1	Name	M	1		N2
						LOOPID - 0200	100
	140	G72	Allowance or Charge	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
						LOOP ID - 0300	9999
M	010	G17	Item Detail Invoice	O	1		N3
M	020	G69	Line Item Detail - Description	O	5		
						LOOP ID - 0310	100
	070	G72	Allowance or Charge	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
M	010	G31	Total Invoice Quantity	M	1		
M	020	G33	Total Dollars Summary	M	1		
M	030	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) 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

Ref. Des.	Data Element	Name	Attributes
M	ST01 143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
Refer to 004010UCS Data Element Dictionary for acceptable code values.			
M	ST02 329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator	M AN 4/9
The control number is comprised of the functional group control number (Data Element 28 in the GS segment) followed by a four-digit sequence number. The sequence number is assigned by the sender. For each functional group, the first sequence number will be 0001 and will be incremented by one for each additional transaction set within the group.			

Segment: **G01 Invoice 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 G0106 or G0107 is present, then the other is required.
Semantic Notes: 1 G0101 is the invoice issue date.
 2 G0103 is the date assigned by the purchaser to the purchase order.

Comments:

Notes:

The G0103 & G104 fields are required fields for Save-A-Lot. They must be transmitted on the invoice.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
M	G0101	373 Date	M	DT	8/8
Date expressed as CCYYMMDD					
Vendor Invoice Date.					
M	G0102	76 Invoice Number	M	AN	1/22
Identifying number assigned by issuer					
Vendor Invoice Number.					
M	G0103	373 Date	O	DT	8/8
Date expressed as CCYYMMDD					
Save-A-Lot purchase order date. Save-A-Lot Required field.					
M	G0104	324 Purchase Order Number	O	AN	1/22
Purchase Order number assigned by Save-A-Lot.					
Save-A-Lot purchase order number. Save-A-Lot required field.					
Using the incorrect purchase order number will delay processing of invoice payments.					

Segment: **G61 Contact**
Position: 040
Loop:
Level: Heading
Usage: **Optional**
Max Use: 3
Purpose: To specify contact information.
Syntax Notes:
Semantic Notes:
Comments: Save-A-Lot is looking for the AR Department Contact.
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
G6101	366	Contact Function Code AR - Accounts Receivable Department	M	ID	2/2
G6102	93	Name	M	AN	1/35
G6103	365	Communication Number Qualifier TE - Telephone Number	O	ID	2/2
G6104	364	Communication Number	O	AN	1/25

Segment: **G62** Date/Time
Position: 050
Loop:
Level: Heading
Usage: **Optional**
Max Use: 1
Purpose: To specify the shipment date.
Syntax Notes:
Semantic Notes:
Comments: 1 The G62 segment is required by Save-A-Lot to provide the ship date. At lease one segment with G6201 value 11.
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
G6201	432	Date Qualifier 11 = Shipped on this date.	M ID 2/2
G6202	373	Date Date when invoice items were shipped expressed in format CCYYMMDD	M DT 8/8

Segment: **G23** Terms of Sale
Position: 080
Loop:
Level: Heading
Usage: **Mandatory**
Max Use: 20
Purpose: To specify the terms of sale.
Syntax Notes: 1 At least one of G2308 or G2309 is required.
Semantic Notes:
Comments:

- 1 The G23 segment may be used for the detail or the total transaction set level. Refer to the transaction set assumptions for details on proper usage.
- 2 If G2301 equals "04" (deferred or installment) then either G2313 or G2314 is required and the data in the segment pertains only to the portion of the invoice described in G2313 or G2314. If G2301 equals "11" (elective) then G2304 is required. If G2301 is not equal to "05" (discount not applicable) then (G2305 or G2310) and (G2306 or G2307) is required. If G2301 equals "ZZ" (other) then G2315 is required. Multiple use of this segment when G2301 equals "04" (deferred or installment) always implies an "AND" relationship. When G2301 equals "06" (mixed) or "11" (elective) an "OR" relationship is always implied.
- 3 G2310 is a memo figure requiring specific payment performance and therefore should not be negative.
- 4 When elective terms are offered in a deferred or installment situation, G2316 (Installment Group Indicator - DE 713) must be used to properly group the terms within each installment.

Notes: The G2305, G2306, G2307, and G2310 are required fields for Save-A-Lot. They must be transmitted on the invoice. Use either G2308 "Terms Net Due Date" or G2309 "Terms Net Days". If you use both, Save-A-Lot will select the better of the two due dates.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G2301	336	Terms Type Code Code identifying type of payment terms See data element dictionary for standard codes.	M ID 2/2
M	G2302	333	Terms Basis Date Code Code identifying the beginning of the terms period. See data element dictionary for standard codes.	M ID 1/2
Must Use	G2305	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Save-A-Lot required field. If a terms discount does not apply send zero. Should be expressed as a whole number (2) or the decimal should be after the whole number (2.0).	M R 1/6
Must Use	G2306	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD. Save-A-Lot required field. If applicable transmit discount due date. If not applicable use date equal to or greater than invoice date.	O DT 8/8

Must Use	G2307	351	Terms Discount Days Due	O	N0	1/3	Number of days in the terms discount period by which payment is due if terms discount is earned
			Save-A-Lot required field. If applicable, transmit discount days due. If not applicable zero fill.				
	G2308	446	Terms Net Due Date	X	DT	8/8	Date when total invoice amount becomes due expressed in format CCYYMMDD.
	G2309	386	Terms Net Days	X	N0	1/3	Number of days until total invoice amount is due (discount not applicable)
Must Use	G2310	362	Terms Discount Amount	O	N2	1/10	Total amount of terms discount
			Save-A-Lot required field. Transmit cash discount amount.				
	G2312	390	Amount Subject to Terms Discount	O	N2	1/10	Amount upon which the terms discount amount is calculated

Segment: N1 Name
Position: 100
Loop:
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 Both N103 and N104 are required if either field is present.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain the 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.
Notes: The N103 and N104 fields are required fields for Save-A-Lot. They must be transmitted on the invoice.

Data Element Summary

Ref. Des.	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.					
Minimum requirement is one ship to, one bill to, and one remit to segment. Acceptable codes are:					
BS Bill and Ship To					
BT Bill To					
RE Remit To					
SF Ship From					
ST Ship To					
Rec	N102	93	Name	X	AN 1/60
Free-form Name					
It is recommended this field be sent in case a match is not found on the DUNS number provided.					
Must Use	N103	66	Identification Code Qualifier	X	ID 1/2
Code designating the system/method of code structure used for identification Code (67).					
Save-A-Lot required field.					
9 DUNS+4, DUNS Number with four character suffix					
Must Use	N104	67	Identification Code	X	AN 2/80
Code identifying party or other code					
Save-A-Lot required field. Please see Save-A-Lot DUNS number list for appropriate DUNS+4 for each ship to location.					

Segment: **G72 Allowance or Charge**
Position: 140
Loop: 200 (Optional)
Level: Heading
Usage: **Optional**
Max Use: 1
Purpose: To specify allowances, charges or services
Syntax Notes:

- 1 At least one of G7203, G7205, G7208 or G7209 is required.
- 2 Only one of G7205, G7208 or G7209 may be present.
- 3 Both G7206 and G7207 are required when either field is present.
- 4 Both G7209 and G7210 are required when either field is present.
- 5 G7203 is required when G7211 field is present.

Semantic Notes:

- 1 G7209 is the allowance or charge percent.

Comments:

- 1 The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.

Notes: Charge code 512 only applies to charges associated with the process of palletizing product for shipment and NOT for the pallets themselves.

The G72 segment at the header level is used to show an allowance or charge that pertains

Data Element Summary

Ref.	Data Des.	Data Element	Name	Attributes		
M	G7201	340	Allowance or Charge Code Code identifying type of allowance or charge. Vague codes (499 and 999) should not be used.	M	ID	1/3
M	G7202	331	Allowance or Charge Method of Handling Code Code identifying method of handling for an allowance or charge. 01 Bill Back 02 Off Invoice 06 Charge to be Paid by Customer	M	ID	2/2
	G7205	359	Allowance or Charge Rate Allowance or Charge Rate per Unit When the G72 segment is sent at the header level, the G7205 should not be used.	X	R	1/15
	G7206	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	X	R	1/10
	G7207	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 or basis for measurement code is used to qualify the contents of various data elements. It will vary depending on the data element it qualifies and the convention within industry groups. CA Case	X	ID	2/2
	G7208	360	Allowance or Charge Total Amount Total dollar amount for allowance or charge. When the G72 segment is sent at the header level, the G7208 should be used. Allowances must be a negative number and charges must be positive number. Do not use a decimal.	X	N2	1/15

Segment: **G17** Item Detail - Invoice
Position: 010
Loop: 0300
Level: Detail
Usage: **Optional (must use)**
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax Notes:
 1 At least one of G1703 or G1714 is required.
 2 At least one of G1704 or G1705 is required.
 3 If either G1705 or G1706 is present, then the other is required.
 4 If either G1707 or G1708 is present, then the other is required.
 5 If either G1710 or G1711 is present, then the other is required.

Semantic Notes:
 1 G1714 contains the cumulative monetary amount of non-saleable merchandise.

Comments:
 1 G1702 qualifies G1701.

Notes:

Effective with the UCS version coinciding with the UCC-published sunset date (2005) for the discontinuation of the 12-digit product identifiers, G1704 (UPC Case Code) will be marked as not used and will be replaced with the qualifier UK (UPC/EAN Shipping Container Code) (1-2-5-5-1) in G1705. The corresponding 14-digit product code will be reflected in G1706. This parallels the global transition to the 14-digit UCC/EAN-14 product identification numbering structure. In preparation for this transition, the UK qualifier and the corresponding 14-digit product code should be communicated in the G1705 and G1706 respectively.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes		
M	G1701	358	Quantity Invoiced Number of units invoiced (supplier units)	M	R	1/10
The number of units invoiced should be expressed in case quantity. When billing for a quantity other than case, include the number of cases in units shipped (G1710 and G1711). Quantity invoiced should be quantity shipped. Do not send zero quantity.						
M	G1702	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	M	ID	2/2
The unit or basis for measurement code is used to qualify the contents of various data elements. It will vary depending on the data element it qualifies and the convention within industry groups. Unit of Measure coinciding with quantity in G1701. CA Case LB Pound						
Must Use	G1703	237	Item List Cost Gross unit cost within the appropriate price bracket for a line item Save-A-Lot required field. Decimal required.	X	R	1/9
Must Use	G1704	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)	X	AN	12/12
G1704 is used only when G1702 contains CA. A standard 12 digit UPC code must be included for every item on an invoice.						

G1710	382	<p>Number of Units Shipped X R 1/10</p> <p>Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p> <p>G1710 is used when the quantity shipped differs from the quantity invoiced in G1701. If the quantity invoiced in G1701 and G1702 is not a case quantity, the case equivalency must be sent in G1710 and G1711.</p>
G1711	355	<p>Unit or Basis for Measurement Code X ID 2/2</p> <p>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>G1711 is used when the unit or basis for measurement code shipped differs from the unit or basis for measurement code invoiced in G1702.</p> <p style="text-align: center;">CA Case</p>

Segment: **G69** Line Item Detail - Description
Position: 020
Loop: 0300
Level: Detail
Usage: Mandatory
Max Use: 5
Purpose: To describe an item in free-form format
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G6901	369	Free-form Description Free-form descriptive text.	M AN 1/45

Segment: **G72 Allowance or Charge**
Position: 070
Loop: 310 (Optional)
Level: Detail
Usage: **Optional**
Max Use: 1
Purpose: To specify allowances, charges or services
Syntax Notes:

- 1 At least one of G7203, G7205, G7208 or G7209 is required.
- 2 Only one of G7205, G7208 or G7209 may be present.
- 3 Both G7206 and G7207 are required when either field is present.
- 4 Both G7209 and G7210 are required when either field is present.
- 5 G7203 is required when G7211 field is present.

Semantic Notes:

- 1 G7209 is the allowance or charge percent.

Comments:

- 1 The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.

Notes: The G72 segment at the detail level is used to show an allowance or charge that pertains to a specific line item on the invoice. G7206 and G7207 are required when G7205 is used and, G7206 and G7207 are different than item detail in G1701 and G1702.

Data Element Summary

Ref.	Data Des.	Data Element	Name	Attributes
M	G7201	340	Allowance or Charge Code Code identifying type of allowance or charge. Vague codes (499 and 999) should not be used.	M ID 1/3
M	G7202	331	Allowance or Charge Method of Handling Code Code identifying method of handling for an allowance or charge. 01 Bill Back 02 Off Invoice 06 Charge to be Paid by Customer	M ID 2/2
	G7205	359	Allowance or Charge Rate Allowance or Charge Rate per Unit Allowances must be a negative, charges must be a positive number. Decimal should be used.	X R 1/15
	G7206	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	X R 1/10
	G7207	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 or basis for measurement code is used to qualify the contents of various data elements. It will vary depending on the data element it qualifies and the convention within industry groups. CA Case	X ID 2/2
	G7208	360	Allowance or Charge Total Amount Total dollar amount for allowance or charge. Allowances must be a negative, charges must be a positive number. Decimal should be used.	X N2 1/15

Segment: **G31 Total Invoice Quantity**
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 G3103 or G3104 is present, then the other is required.
- 2 If either G3105 or G3106 is present, then the other is required.
- 3 If G3107 is present, then G3104 is required.

Semantic Notes:

- 1 G3110 should only be used to express the quantity of third party pallets
- 2 G3111 is the gross weight of third party pallets in pounds.

Comments:

- 1 G3102 qualifies G3101.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
M	G3101	382 Number of Units Shipped	M	R	1/10
Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set					
G3101 contains the hash total of all G1701 values.					
M	G3102	355 Unit or Basis for Measurement Code	M	ID	2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
The unit or basis for measurement code is used to qualify the contents of various data elements. It will vary depending on the data element it qualifies and the convention within industry groups.					
		CA Case			
	G3103	81 Weight	X	R	1/10
Numeric value of weight.					
	G3104	355 Unit or Basis for Measurement Code	M	ID	2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
The unit or basis for measurement code is used to qualify the contents of various data elements. It will vary depending on the data element it qualifies and the convention within industry groups.					
		LB Pound			

Segment: **G33** Total Dollars Summary
Position: 020
Loop:
Level: Summary
Usage: **Mandatory**
Max Use: 1
Purpose: To specify the total invoice amount, including charges less allowances, before terms discount.
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G3301	610	Amount Monetary Amount	M N2 1/15
Do not use a decimal. Do not send a negative amount.				

Segment: **SE** Transaction Set Trailer
Position: 030
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:

Notes:

1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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
			When used in the SE Segment, the count includes the total number of segments in the transaction including the ST and SE segments.	
M	SE02	96	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
			The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).	