880 Grocery Products Invoice

Status: Final

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Notes:

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880 Grocery Products Invoice

Functional Group=GP

Purpose: 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 a retail or wholesale consumer market. The transaction set can be used by the supplier or broker organization 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.

The G23 segment must be used in the header area or detail area, but not both. When it is used in the detail area, there must be one occurrence of the G23 segment for each iteration of the G17 segment.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	G01	Invoice Identification	M	1			Must use
050	G62	Date/Time	O	5			Used
070	G27	Carrier Detail	O	5			Used
080	G23	Terms of Sale	O	20		N1/080	Used
090	G25	F.O.B. Information	O	1			Used
LOOP ID - 0100					**10**	**N1/100L**	
100	N1	Name	M	1		N1/100	Must use
110	N2	Additional Name Information	O	1			Used
120	N3	Address Information	O	2			Used
130	N4	Geographic Location	O	1			Used
LOOP ID - 0200					**100**		
140	G72	Allowance or Charge	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**9999**	**N2/010L**	
010	G17	Item Detail - Invoice	O	1		N2/010	Used
020	G69	Line Item Detail - Description	O	5			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	G31	Total Invoice Quantity	M	1			Must use
020	G33	Total Dollars Summary	M	1			Must use
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/080   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 G17 segment.

1/100L   One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.

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2/010L   Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.

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ST   Transaction Set Header

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

Code	Name
880	Grocery Products Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

G01   Invoice Identification

User Option (Usage): Must use

Purpose: To transmit identifying dates and numbers for this transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G0101	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
G0102	76	**Invoice Number**	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
G0103	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
G0104	324	**Purchase Order Number**	O	AN	1/22	Used
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
G0105	424	**Vendor Order Number**	O	AN	1/22	Used
		Description: Number assigned by a vendor referencing a particular customer purchase order				

Syntax Rules:

1. P0607 - If either G0106 or G0107 is present, then the other is required.

Semantics:

1. G0101 is the invoice issue date.
2. G0103 is the date assigned by the purchaser to the purchase order.

G62   Date/Time

Pos: 050   **Max: 5**
Heading - Optional
Loop: N/A   **Elements: 2**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	C	ID	2/2	Used

       Description: Code specifying type of date

       CodeList Summary (Total Codes: 137, Included: 2)

Code	Name
11	Shipped on This Date
13	Terms Net Due Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	C	DT	8/8	Used

       Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

G27 Carrier Detail

User Option (Usage): Used

Purpose: To specify details of the transportation equipment and carrier routing details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2701	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 71, Included: 1)

Code	Name
7	Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2705	387	**Routing**	C	AN	1/35	Used

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Syntax Rules:

1. R0405 - At least one of G2704 or G2705 is required.

G23 Terms of Sale

User Option (Usage): Used
Purpose: To specify the terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2301	336	**Terms Type Code**	M	ID	2/2	Must use

Description: Code identifying type of payment terms

CodeList Summary (Total Codes: 65, Included: 1)

Code	Name
01	Basic

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2302	333	**Terms Basis Date Code**	M	ID	1/2	Must use

Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 2)

Code	Name
3	Invoice Date
7	Effective Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2303	282	**Terms Start Date**	O	DT	8/8	Used

Description: Date from which payment terms are calculated expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2305	338	**Terms Discount Percent**	O	R3	1/6	Used

Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2306	370	**Terms Discount Due Date**	O	DT	8/8	Used

Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2308	446	**Terms Net Due Date**	C	DT	8/8	Used

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2309	386	**Terms Net Days**	C	N0	1/3	Used

Description: Number of days until total invoice amount is due (discount not applicable)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2310	362	**Terms Discount Amount**	O	N2	1/10	Used

Description: Total amount of terms discount

Syntax Rules:

1. R0809 - At least one of G2308 or G2309 is required.

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.

G25 F.O.B. Information

User Option (Usage): Used

Purpose: To transmit information pertaining to method of freight payment and transfer of title

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2501	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included: 1)

Code	Name
DE	Per Contract

Description: *Destination with exceptions as agreed between buyer and seller*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2502	433	**F.O.B. Point Code**	M	ID	2/2	Must use

Description: Code identifying type of F.O.B. point

CodeList Summary (Total Codes: 4, Included: 1)

Code	Name
04	Point of Origin

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G2503	434	**F.O.B. Point**	O	AN	1/30	Used

Description: Descriptive name of F.O.B. point

Loop Name

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
100	N1	Name	M	1		Must use
110	N2	Additional Name Information	O	1		Used
120	N3	Address Information	O	2		Used
130	N4	Geographic Location	O	1		Used

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.

N1 Name

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 7)

Code	Name
BO	Broker or Sales Office
BS	Bill and Ship To
BT	Bill-to-Party
BY	Buying Party (Purchaser)
RI	Remit To
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 3)

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Code identifying a party or other code

User Note 1: *If N101 = 'ST' this may contain the customer store delivery location identifier*

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.

N2   Additional Name Information

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 120   **Max: 2**
Heading - Optional
Loop: 0100   **Elements: 2**

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

<table>
<tr><td>Pos: 130</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: 0100</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

      Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

      Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

      Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

      Description: Code identifying the country

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

Loop Allowance or Charge

User Option (Usage): Used

Purpose: To specify allowances, charges, or services

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
140	G72	Allowance or Charge	O	1		Used

Semantics:

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.

User Note 1:

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

G72 Allowance or Charge

			Pos: 140	Max: 1
			Heading - Optional	
			Loop: 0200	Elements: 3

User Option (Usage): Used

Purpose: To specify allowances, charges, or services

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7201	340	**Allowance or Charge Code**	M	ID	1/3	Must use

Description: Code identifying the type of allowance or charge

CodeList Summary (Total Codes: 113, Included: 4)

Code	Name
501	Taxes
504	Freight
514	Surcharge
990	Goods and Services Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7202	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2	Must use

Description: Code indicating method of handling for an allowance or charge

CodeList Summary (Total Codes: 22, Included: 1)

Code	Name
06	Charge to be Paid by Customer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G7208	360	**Allowance or Charge Total Amount**	C	N2	1/15	Used

Description: Total dollar amount for the allowance or charge

User Note 1:
If G7201 = '501' this element contains the Sales Tax amount
If G7201 = '514' this element contains the Rental Ready amount
If G7201 = '504' this element contains the Freight Charge amount
If G7201 = '990' this element contains the Miscellaneous Charge amount

Syntax Rules:

1. R03050809 - At least one of G7203, G7205, G7208 or G7209 is required.
2. E050809 - Only one of G7205, G7208 or G7209 may be present.
3. P0607 - If either G7206 or G7207 is present, then the other is required.
4. P0910 - If either G7209 or G7210 is present, then the other is required.
5. C1103 - If G7211 is present, then G7203 is required.

Semantics:

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.

User Note 1:

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

Loop Item Detail - Invoice

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	G17	Item Detail - Invoice	O	1		Used
020	G69	Line Item Detail - Description	O	5		Used

Semantics:

1. G1714 contains the cumulative monetary amount of unsaleable merchandise.

Comments:

1. G1702 qualifies G1701.

User Note 1:

Effective with the UCS version coinciding with the UCC-published sunset date (2005) for the discontinuation of the 12-digit product identifiers, G1704 (U.P.C. Case Code) will be marked as not used and will be replaced with the qualifier UK (U.P.C./EAN Shipping Container Code) (1-2-5-5-1) in G1705. The corresponding 14-digit product code will be reflected in DE234. 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 G1705 and G1706, respectively.

G17 Item Detail - Invoice

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G1701	358	**Quantity Invoiced**	M	R3	1/10	Must use

Description: Number of units invoiced (supplier units)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G1702	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 1)

Code	Name
EA	Each

User Note 1:

Number of retail selling units

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G1703	237	**Item List Cost**	C	R4	1/9	Used

Description: Gross unit cost within the appropriate price bracket for a line item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G1705	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 2)

Code	Name
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

Description: *A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit*

Code	Name
UP	U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G1706	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. R0314 - At least one of G1703 or G1714 is required.
2. R0405 - At least one of G1704 or G1705 is required.
3. P0506 - If either G1705 or G1706 is present, then the other is required.
4. P0708 - If either G1707 or G1708 is present, then the other is required.
5. P1011 - If either G1710 or G1711 is present, then the other is required.

Semantics:

1. G1714 contains the cumulative monetary amount of unsaleable merchandise.

Comments:

1. G1702 qualifies G1701.

User Note 1:

If the customer orders in prepack quantities, the invoice will also show the prepack item only. If you require the individual component items to be invoiced, please alert the EDI team when testing so this data can be provided to your company.

G69 Line Item Detail - Description

Pos: 020   **Max: 5**
Detail - Optional
Loop: 0300   Elements: 1

User Option (Usage): Used
Purpose: To describe an item in free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6901	369	**Free-form Description**	M	AN	1/45	Must use

Description: Free-form descriptive text

G31 Total Invoice Quantity

User Option (Usage): Must use

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3101	382	**Number of Units Shipped**	M	R0	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3102	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 1)

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3103	81	**Weight**	C	R2	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3104	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 1)

Code	Name
LB	Pound

Syntax Rules:

1. P0304 - If either G3103 or G3104 is present, then the other is required.
2. P0506 - If either G3105 or G3106 is present, then the other is required.
3. C0704 - If G3107 is present, then G3104 is required.

Semantics:

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.

G33 Total Dollars Summary

Pos: 020   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 1

User Option (Usage): Must use

Purpose: To specify the total invoice amount, including charges less allowances, before terms discount

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3301	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

SE   Transaction Set Trailer

User Option (Usage): Must use

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.