



Merchants Distributors, Inc.

**880
Grocery Products Invoice
EDI Documentation Mapping**

**UCS
Version 4010**

12/10/10 3:36:12 PM

880 Grocery Products Invoice

FUNCTIONAL GROUP ID = **GP**

VERSION/RELEASE = **004010UCS**

These Specifications contain the format for the data contents of the Grocery Products Invoice Transaction Set (880) for use within Electronic Data Interchange (EDI) environment for Merchants Distributors, INC. (MDI).

Header

Pos #	Seg ID.	Name			
	ST	Transaction Set Header	M		1
	G01	invoice Identification	M		1
	N9	Reference Identification	O		10
	G62	Date/Time	M		5
	NTE	Note/Special Instruction	O		9
	G27	Routing details	O		5
	G23	Terms of Sale	M		20
	G25	Method of Freight payment	M		1
	G66	Transportation Instructions	O		1

	LOOP ID - 0100				Loop Repeats: 10
	N1	Name	M		1
	N3	Address Information	O		2
	N4	Geographic Location	O		1

	LOOP ID - 0200				
	G72	Allowance or Charge	O		1
	G73	Allowance or Charge Description	O		10

Detail

Pos #	Seg ID.	Name			
	LOOP ID - 0300				Loop Repeats: 9999
	G17	Line Item Detail - Invoice	M		1
	G69	Line Item Detail - Quantity	M		1
	G20	Line Item Detail - Details	O		2
	G72	Allowance or Charge	O		1
1905	G73	Allowance or Charge Description	O		1
					Repeat: 100
					Repeat: 100

Summary

Pos #	Seg ID.	Name			
	G31	Total Invoice Quantity	M		1
	G33	Total Dollars Summary	M		1
	SE	Transaction Set Trailer	M		1

GUIDELINES FOR EDI GROCERY PRODUCTS Invoice - 880 IMPLEMENTATION

Control Level:

SEGMENT: ST

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

Reference Designator	Data Element	Name	Min/Max	Values
ST01	143	TS ID Code	3/3	
ST02	329	TS Control Number	4/9	

SEGMENT: G01

LEVEL: Header

USAGE: Mandatory

MAX USE: 1

LOOP: N/A

PURPOSE: To transmit identifying dates and numbers for this transaction set.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G0101	373	Date	8/8 DT	
G0102	76	Invoice Number	1/22 AN	
G0103	373	Date	8/8 DT	
G0104	324	PO Number	1/22 AN	See Guidelines
G0105	424	Vendor Order No	1/22 AN	

Guidelines:

G0101 Invoice Issue Date (REQUIRED field)

G0103 date assigned by the purchaser to the purchase order (REQUIRED field)

G0104 Must be NUMERIC and is a REQUIRED field

G0105 Vendor Order Number (NOT required)

DO NOT send fields G0106, G0107 or G0108.

SEGMENT: N9

LEVEL: Header

USAGE: Optional

MAX USE: 10

LOOP: N/A

PURPOSE: To transmit identifying information as specified by the Reference Identification Qualifier.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
N901	128	Reference Ident Qual	2/3 ID	“BM”
N902	127	Reference Ident	1/30 AN	BOL number
N903	369	Free-Form Description	1/45 AN	

Guidelines:

IF this segment is sent, only the following is valid:

N901 value of “BM”

N902 should be bill of lading number

N903 desc, if N902 is sent, N903 must also be present

SEGMENT: G62

LEVEL: Header

USAGE: Mandatory

MAX USE: 5

LOOP: N/A

PURPOSE: To specify pertinent dates and times.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G6201	432	Date Qualifier	2/2 ID	"11"
G6202	373	Date	8/8 AN	Ship date

Guidelines:

G6201 contains code 11 (Shipped on this date).

G6202 date order was shipped

SEGMENT: NTE

LEVEL: Header

USAGE: Optional

MAX USE: 20

LOOP: N/A

PURPOSE: To transmit information in a free-form format, if necessary, for comment or special instructions.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
NTE01	363	Note Ref Code	3/3 ID	“INV”
NTE02	352	Description	1/80 AN	

Guidelines:

If this segment is used, only “INV” is valid in the NTE01 field

SEGMENT: G27

LEVEL: Header

USAGE: Optional

MAX USE: 5

LOOP: N/A

PURPOSE: To specify details of the transportation equipment and carrier routing details.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G2701	91	Transport Type Code	1/2 ID	See Guidelines
G2702	206	Equipment Initial	1/4 AN	
G2703	207	Equipment Number	1/10 AN	See Guidelines
G2704	140	SCAC	2/4 ID	
G2705	387	Routing	1/35 AN	
G2706	368	Ship/Order Status Code	2/2 ID	

Guidelines:

G2701 valid codes are M (motor carrier)
H (customer pickup)

G2704 OR G2705 is required if you send this segment

SEGMENT: G23

LEVEL: Header

USAGE: Mandatory

MAX USE: 20

LOOP: N/A

PURPOSE: To specify the terms of sale.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G2301	336	Terms Type Code	2/2 ID	See Guidelines
G2302	333	Terms Basis Date Code	1/2 ID	See Guidelines
G2303	282	Terms Start Date	8/8 DT	
G2304	283	Terms Due Date Qual	2/2 ID	
G2305	338	Terms Disc Percent	1/6 R3	See Guidelines
G2306	370	Terms Disc Due Date	8/8 DT	See Guidelines
G2307	351	Terms Disc Days Dues	1/3 N0	See Guidelines
G2308	446	Terms Net Due Date	8/8 DT	See Guidelines
G2309	386	Terms Net Days	1/3 N0	See Guidelines
G2310	362	Terms Disc Amount	1/10 N2	See Guidelines
G2311	391	Discounted Amount Due	1/10 N2	
G2312	390	Amt Subject Terms Disc	1/10 N2	
G2313	343	Installment Total Due	1/10 N2	Not used
G2314	342	Percent of Inv Payable	1/5 R3	Not used
G2315	3	Free-Form Message	1/60 AN	
G2316	713	Installment Group Ind	2/2 N0	See Guidelines

Guidelines:

G2301 (most vendors send an 05 or an 01)

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.

Equals "11" (elective the G2304 is required).

Not Equal "05" (discount not applicable) then (G2305, G2306, G2307, G2308, G2309, G2310) are required.

Equals "ZZ" (other) then G2315 is required.

G2302 Date Code 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.

G2310 is a memo figure requiring specific payment performance and therefore should not be negative.

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.

G2301 Code Value(s):

- 01 Basic
- 02 End of Month (EOM)
- 03 Fixed Date
- 04 Deferred or Installment
- 05 Discount Not Applicable
- 06 Mixed
- 07 Extended
- 11 Elective
- 23 Payment Due Upon Receipt of Invoice

G2316 is used only at the total transaction set level.

SEGMENT: G25

LEVEL: Header

USAGE: Mandatory

MAX USE: 1

LOOP: N/A

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

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G2501	146	Ship Method of Payment	2/2 ID	
G2502	433	FOB Point Code	2/2 ID	
G2503	434	FOB Point	1/30 AN	

SEGMENT: N1

LEVEL: Header

USAGE: Mandatory

MAX USE: 1

LOOP: 0100

REPEAT: 10

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

Reference Designator	Data Element	Name	Min/Max Data Type	Values
N101	98	Entity ID Code	2/3 ID	See Guidelines
N102	93	Name	1/60 AN	
N103	66	ID Code Qualifier	1/2 ID	See Guidelines
N104	67	ID Code	2/80 AN	
N105	706	Entity Relat Code	2/2 ID	Not Used
N106	98	Entity ID Code	2/3 ID	Not Used

Guidelines:

Must send at least one N1 segment, with “RE” as the code....additional N1 segments can be sent with codes below:

N101 Code Value(s):

BS Bill and Ship To

BT Bill to Party

BY Buying Party (Purchaser)

SF Ship From

ST Ship To

VN Vendor

RE Party to receive commercial invoice remittance

N103 Code Value(s):

9 D-U-N-S+4 Number with Four Character Suffix

91 Assigned by Sell or Seller’s Agent

92 Assigned By Buyer or Buyer’s Agent

SEGMENT: N3

LEVEL: Header

USAGE: **Optional**

MAX USE: 2

LOOP: 0100

PURPOSE: To specify the location of the named party.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
N301	166	Address Information	1/55 AN	
N302	166	Address Information	1/55 AN	

SEGMENT: N4

LEVEL: Header

USAGE: Optional

MAX USE: 1

LOOP: 0100

PURPOSE: To specify the geographic place of the named party.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
N401	19	City Name	2/30 AN	
N402	156	State or Prov Code	2/2 ID	See Guidelines
N403	116	Postal Code	3/15 ID	
N404	26	County Code	2/3 ID	Not Used
N405	309	Location Qualifier	1/2 ID	Not Used
N406	310	Location Identifier	1/30 AN	Not Used

Guidelines:

N402 is required only if city name (N401) is in the U.S. or Canada.

SEGMENT: G72

LEVEL: Header

USAGE: Optional

MAX USE: 1

LOOP: 0200

PURPOSE: To specify allowances, charges, or services.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G7201	340	Allow/Chrg Code	1/3 ID	See Guidelines
G7202	331	Allow/Chrg handle Code	2/2 ID	See Guidelines
G7203	341	Allow/Chrg Number	1/16 AN	Not used
G7204	769	Exception Number	1/16 AN	Not used
G7205	359	Allow/Chrg Rate	1/15 R4	Not used
G7206	339	Allow/Chrg Quantity	1/10 R3	Not used
G7207	355	Unit/Basis Meas Code	2/2 ID	Not used
G7208	360	Allow/Chrg Total Amt	1/15 N2	See Guidelines
G7209	352	Allow/Chrg Percent	1/6 R3	Not used
G7210	828	Dollar Basis for %	1/9 R2	Not used
G7211	770	Option Number	1/20 AN	Not used

Guidelines:

In the G72 segment . . . fields 5, 8, and 9 are exclusive....ONLY one of these elements may be present. DO NOT send anything in the G7205 or G7209. Send ONLY only the G7208 field.

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

G7201 VALID codes for MDI at Header Level are:

- 40 slip sheet unloading allowance
- 41 terms allowance
- 53 freight allowance
- 54 pick-up allowance
- 64 full truck load allowance
- 499 other

The following require special program changes on the MDI side, so we need to be notified to make these adjustments:

- 04 fuel allowance
- 52 quantity discount
- 58 damage allowance
- 62 freshness/leaker allowance
- 95 swell
- 504 freight charge
- 514 surcharge

SEGMENT: G73

LEVEL: Header

USAGE: Optional

MAX USE: 10

LOOP: 200

PURPOSE: To describe the allowance or charge in free-form format.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G7301	369	Free Form Description	1/45 AN	See Guidelines

Guidelines:

This segment is required when G7201 contains code 499 or 999

SEGMENT: G17

LEVEL: Detail

USAGE: Mandatory

MAX USE: 1

LOOP: 0300

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

Reference Designator	Data Element	Name	Min/Max	Data Type	Values
G1701	358	Quantity Invoiced	1/10	R3	
G1702	355	Unit/Basis Meas Code	2/2	ID	See Guidelines
G1703	237	Item List Cost	1/9	R4	See Guidelines
G1704	438	UPC Case Code	12/12	AN	See Guidelines
G1705	235	Prod/Serv ID Qualifier	2/2	ID	GTIN see guidelines
G1706	234	Product Service ID	1/48	AN	GTIN see guidelines
G1707	235	Prod/Serv ID Qualifier	2/2	ID	See Guidelines
G1708	234	Product Service ID	1/48	AN	See Guidelines
G1709	417	Price Bracket	1/3	AN	Not Used
G1710	382	Number of Units Ship	1/10	R0	See Guidelines
G1711	355	Unit/Basis Meas Code	2/2	ID	See Guidelines

Guidelines:

G1702 Code Value(s);

CA Case

LB for Pounds ONLY if Billable VARIABLE WEIGHT

G1704 is the UPC for the product (only 1 occurrence of a UPC.

Summarized by UPC)

UPC Case Code

NO self check digits at the end. Put a leading ZERO (0)

Example: **021000626797** (with self check digit)

Should be sent as:

002100062679(with leading 0 and NO check digit).

G1705 Code Value(s):

UK

G1706 Code Value(s)

14 digit GTIN interpretation of UPC number

Self check digits at the end.

Example **00021000626797** (with self check digit)

G1707 PI for Qualifier when G1708 contains MDI Item Number

G1708 MDI ITEM number as sent in the original MDI PO

G1710 Qty in CASES for the total weight sent in G1702 for

VARIABLE WEIGHT ONLY

G1711 CA for CASE only if G1710 has VALUE

Example: G17*6*CA*18.66*002253150142.***PI*54321 CASE ITEM

G17*50*LB*.66*00225454501***PI*789987**10*CA VARIABLE WEIGHT ITEM

SEGMENT: G69

LEVEL: Detail

USAGE: Mandatory

MAX USE: 5

LOOP: 0300

PURPOSE: To describe an item in free-form format.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G6901	369	Free Form Description	1/45 AN	

Guidelines:

SEGMENT: G20

LEVEL: Detail

USAGE: Optional

MAX USE: 1

LOOP: 0300

PURPOSE: To specify packing details of the items shipped.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G2001	356	Pack	1/6 N0	

Guidelines:

SEGMENT: G72

LEVEL: Detail

USAGE: Optional

MAX USE: 1

LOOP: 0300

PURPOSE: To specify allowances, charges, or services.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G7201	340	Allow/Chrg Code	1/3 ID	See Guidelines
G7202	331	Allow/Chrg Handl Code	2/2 ID	
G7203	341	Allow/Chrg Number	1/16 AN	
G7204	769	Exception Number	1/16 AN	Not used.
G7205	359	Allow/Chrg Rate	1/15 R4	See Guidelines
G7206	339	Allow/Chrg Quantity	1/10 R3	Not used
G7207	355	Unit/Basis Meas Code	2/2 ID	Not used
G7208	360	Allow/Chrg Total Amt	1/15 N2	See Guidelines
G7209	332	Allow/Chrg Percent	1/6 R3	Not used

Guidelines:

In the G72 segment ...fields 5, 8, and 9 are exclusive...ONLY one of these elements may be present. DO NOT send anything in the G7205 or G7209. **Send ONLY the G7208 field.**

Valid Values for the G7201 field at the DETAIL level:

- 05 Allowance non-performance
- 41 terms allowance
- 47 price and marketing allowance
- 51 trade discount
- 54 pickup allowance
- 62 freshness/leaker allowance
- 64 full truck load allowance
- 80 comb. performance & non-performance allowance
- 90 performance allowance
- 97 cents off

SEGMENT: G73

LEVEL: Detail

USAGE: Optional

MAX USE: 10

LOOP: 0300

PURPOSE: To describe the allowance or charge in free-form format.

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G7301	369	Free-Form Description	1/45 AN	See Guidelines

Guidelines:

This segment is required when G7201 contains code 499 or 999.

SEGMENT: G31

LEVEL: Summary

USAGE: Mandatory

MAX USE: 1

LOOP: N/A

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

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G3101	382	Number of Units Ship	1/10 R0	See Guidelines
G3102	355	Unit/Basis Meas code	2/2 ID	See Guidelines
G3103	81	Weight	1/10 R2	
G3104	355	Unit/Basis Meas code	2/2 ID	See Guidelines
G3105	183		1/8 R3	
G3106	355	Unit/Basis Meas code	2/2 ID	See Guidelines
G3107	398	Order Sizing Fact	1/10 R3	
G3108	417	Price Bracket ID	1/3 AN	
G3109	107	Payment Method Code	1/2 ID	
G3110	380	Quantity	1/15 R3	See Guidelines
G3111	81	Weight	1/10 R2	See Guidelines

Semantic:

G3102 qualifies G3101

G3110 should only be used to express the quantity of third party pallets.

G3111 is the gross weight of third party pallets in pounds

Guidelines:

G3101 contains the hash total of all G1701 values.

*G3102 Code Value(s):

CA Cases

Total number of cases (cases, pounds, etc.)

G3104 Code Value(s):

LB Pound

OZ Ounce – Av

G3106 Code Value(s):

CF Cubic Feet

G3110 should only be used to express quantity of 3rd party pallets.

G3111 should only be used to express the pounds gross weight of 3rd party pallets.

* If using CA in G17 then also use CA in G3102. Use UN for variable weights.

*** Example: G31*588*CA.

SEGMENT: G33

LEVEL: Summary

USAGE: Mandatory

MAX USE: 1

LOOP: N/A

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

Reference Designator	Data Element	Name	Min/Max Data Type	Values
G3301	610	Amount	1/15 N2	

:

Control Level:

SEGMENT: SE

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).

Reference Designator	Data Element	Name	Min/Max	Values
SE01	96	Number of Inc Segments	1/10	
SE02	329	TS Control Number	4/9	See Guidelines

Guidelines:

The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).