880 Grocery Products Invoice

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 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.

Notes:

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. 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		
	070	G27	Carrier Detail	O	1		
	080	G23	Terms of Sale	O	1		n1
			LOOP ID - 0100			5	
M	100	N1	Name	M	1		n2
			LOOP ID - 0200			4	
	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	M	1		n3
M	020	G69	Line Item Detail - Description	M	1		
	030	G19	Line Item Detail - Quantity/Unit of Measure/Price Differences	O	1		
	040	G20	Item Packing Detail	O	1		
			LOOP ID - 0310			4	
	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		

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 G17 segment.
2. One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.

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

			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**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			HEB requires: "880"	
			880 Grocery Products Invoice	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 1/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			HEB requires: This is a system generated number to identify and distinguish between transaction sets.	

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:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**G0101**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
			HEB requires "YYYYMMDD"		
M	**G0102**	**76**	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
M	**G0103**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
			HEB requires "YYYYMMDD"		
M	**G0104**	**324**	**Purchase Order Number**	**M**	**AN 9/9**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			HEB requires: PO number consists of a 2 digit HEB facility code, "X" and 6 digit HEB PO number.		
	G0105	**424**	**Vendor Order Number**	**O**	**AN 1/9**
			Number assigned by a vendor referencing a particular customer purchase order		

Segment:	**G27** Carrier Detail			
Position:	070			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify details of the transportation equipment and carrier routing details			
Syntax Notes:	**1** At least one of G2704 or G2705 is required.			
Semantic Notes:				
Comments:				
Notes:	HEB requires: At least on of G2704 or G2705 is required.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**G2701**	**91**	**Transportation Method/Type Code**	**M**	**ID 1/1**

Code specifying the method or type of transportation for the shipment

HEB requires: "H" - Customer Pickup or "M" Motor (Common Carrier)
If an "M" is sent, then the G27_04 and G27_05 must be sent.

H	Customer Pickup	

Use this code when the pick-up of products is responsibility of customer

M	Motor (Common Carrier)	

Shipments made under class or commodity rates

	Ref. Des.	Data Element	Name	Attributes	
	G2702	**206**	**Equipment Initial**	**O**	**AN 1/4**

Prefix or alphabetic part of an equipment unit's identifying number

	Ref. Des.	Data Element	Name	Attributes	
	G2703	**207**	**Equipment Number**	**O**	**AN 1/10**

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

For WINS, the equipment initial and equipment number is used to pass the rail car or trailer number used for a shipment. The equipment initial is the SCAC code of the carrier as shown on the equipment. The equipment number is the actual number of the rail car or trailer. This information may be used to support freight payment.

	Ref. Des.	Data Element	Name	Attributes	
	G2704	**140**	**Standard Carrier Alpha Code**	**O**	**ID 1/4**

Standard Carrier Alpha Code

HEB requires: If an "M" is sent then the G27_01 then G27_04 and _05 is required.

	Ref. Des.	Data Element	Name	Attributes	
	G2705	**387**	**Routing**	**O**	**AN 1/35**

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

HEB requires: If an "M" is sent in the G27_01 the G27_04 and _05 is required.

	Ref. Des.	Data Element	Name	Attributes	
	G2706	**368**	**Shipment/Order Status Code**	**O**	**ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

	Segment:	**G23** Terms of Sale
	Position:	080
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	1
	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.

Comments (continued):

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: HEB requires:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G2301	336	**Terms Type Code**	**M ID 2/2**

Code identifying type of payment terms

01	Basic	
	Normal or standard terms apply	
02	End of Month (EOM)	
03	Fixed Date	
04	Deferred or Installment	
	Used when installment payment terms apply	
05	Discount Not Applicable	
	A payment date not involving a discount	
06	Mixed	
07	Extended	
	Special situation when standard terms are not applicable	
11	Elective	
	This code indicates that a choice is being offered	
23	Payment Due Upon Receipt of Invoice	

	Ref. Des.	Data Element	Name	Attributes
M	G2302	333	**Terms Basis Date Code**	**M ID 1/2**

Code identifying the beginning of the terms period

Refer to 004010UCS Data Element Dictionary for acceptable code values.

	G2303	282	**Terms Start Date**	**O DT 8/8**

Date from which payment terms are calculated expressed in format CCYYMMDD

	G2304	283	**Terms Due Date Qualifier**	**O ID 2/2**

Code identifying the method to be used for payment in conjunction with due date

Refer to 004010UCS Data Element Dictionary for acceptable code values.

	G2305	338	**Terms Discount Percent**	**O R3 1/6**

Terms discount percentage, expressed as a percent, available to the purchaser if

an invoice is paid on or before the Terms Discount Due Date

G2306	**370**	**Terms Discount Due Date**	**O**	**DT 8/8**

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

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

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)

G2310	**362**	**Terms Discount Amount**	**O**	**N2 1/10**

Total amount of terms discount

G2311	**391**	**Discounted Amount Due**	**O**	**N2 1/10**

Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount)

G2312	**390**	**Amount Subject to Terms Discount**	**O**	**N2 1/10**

Amount upon which the terms discount amount is calculated

G2313	**343**	**Installment Total Invoice Amount Due**	**O**	**N2 1/10**

Deferred or installment portion of the total invoice (including charges, less allowances) before terms discount (if discount is applicable)

G2313 is used only at the total transaction set level.

G2314	**342**	**Percent of Invoice Payable**	**O**	**R3 1/5**

Amount of invoice payable expressed in percent

G2314 is used only at the total transaction set level.

G2315	**3**	**Free Form Message**	**O**	**AN 1/60**

Free-form text

This data element should only be used when information cannot be expressed in machine readable/processable form and is important in the processing of a transaction.

G2316	**713**	**Installment Group Indicator**	**O**	**N0 2/2**

The installment group indicator is a 2-digit serial number beginning with 01 (i.e., 01, 02, 03 or 04); it is used to group "elective" terms types in an installment payment situation; the same indicator must be used for all segments in the same installment

G2316 is used only at the total transaction set level.

Segment:	**N1** Name				
Position:	100				
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. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**		**M ID 2/2**

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

HEB requires:	"RE" - Party to receive remittance and "ST" - Ship To

BS	Bill and Ship To

Parties are the same and their addresses are the same

BT	Bill-to-Party
RE	Party to receive commercial invoice remittance
ST	Ship To

	N102	**93**	**Name**		**O AN 1/35**

Free-form name

	N103	**66**	**Identification Code Qualifier**		**O ID 1/1**

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

HEB requires:	"9" - D-U-N-S+4

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

The identification code consists of a 9-digit DUNS number for the party followed by a 4-character suffix defined by the party.

	N104	**67**	**Identification Code**		**O AN 13/13**

Code identifying a party or other code

HEB requires:	D-U-N-S number with four character suffix.

	Segment:	**G72** Allowance or Charge
	Position:	140
	Loop:	0200 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. If either G7206 or G7207 is present, then the other is required.
4. If either G7209 or G7210 is present, then the other is required.
5. If G7211 is present, then G7203 is required.

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	G7201	340	**Allowance or Charge Code**	**M**	**ID 1/3**
			Code identifying the type of allowance or charge		
M	G7202	331	**Allowance or Charge Method of Handling Code**	**M**	**ID 1/2**
			Code indicating method of handling for an allowance or charge		
	G7203	341	**Allowance or Charge Number**	**O**	**AN 1/16**
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
	G7204	769	**Exception Number**	**O**	**AN 1/16**
			A unique number identifying an exception or modification to an offered or existing promotion		
	G7205	359	**Allowance or Charge Rate**	**O**	**R4 1/9**
			Allowance or Charge Rate per Unit		
			HEB requires: Up to a 9 digit real number / up to 4 decimal places.		
	G7206	339	**Allowance or Charge Quantity**	**O**	**R3 1/10**
			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity		
			HEB requires: Up to a 10 digit real number / up to 3 decimal places.		
	G7207	355	**Unit or Basis for Measurement Code**	**O**	**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.		
	G7208	360	**Allowance or Charge Total Amount**	**O**	**N2 2/9**
			Total dollar amount for the allowance or charge		
			HEB requires: Up to a 9 digit numeric / 2 implied decimal places.		
	G7209	332	**Allow / Chrg Percent**	**O**	**R3 1/6**
			Percent expressed as a percent		
			HEB requires: Up to a 6 digit real number / up to 3 decimal places.		
	G7210	828	**Dollar Basis For Percent**	**O**	**R2 1/9**
			Dollar basis to be used in the percent calculation of the allowance, charge or tax		
			HEB requires: Up to a 9 digit real number / up to 2 decimal places.		
	G7211	770	**Option Number**	**O**	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered		

	Segment:	**G17** Item Detail - Invoice
	Position:	010
	Loop:	0300 Mandatory
	Level:	Detail
	Usage:	Mandatory
	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 unsaleable 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 (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.**

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	G1701	358	**Quantity Invoiced**	M	R3 1/10
			Number of units invoiced (supplier units)		
			HEB requires: Up to a 10 digit real number / up to 3 decimal places.		
M	G1702	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

  EA   Each

  Number of retail selling units

  UN   Unit

	Ref. Des.	Data Element	Name		Attributes
M	G1703	237	**Item List Cost**	M	R4 1/9
			Gross unit cost within the appropriate price bracket for a line item		
			HEB requires: Up to a 9 digit real number / up to 4 decimal places.		
M	G1704	438	**U.P.C. Case Code**	M	AN 12/12
			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)		
			HEB requires a 2-5-5 format.		
	G1705	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			HEB requires: "UD" - U.P.C./EAN Package Code. If the G17_05 is sent then the G17_06 must be sent as well.		
			HEB will also acknowledge (EN) for (EAN) or (UK) for GTIN.		

  EN   European Article Number (EAN) (2-5-5-1)

  13-digit code used by countries, other than the United States and Canada, to identify each consumer unit
  Code is formatted as:
     *2 digit country flag
     *5 digit company identification number (assigned
     by European coding authorities)
     *5 digit article identification number (assigned by

		company)		
		*1 digit check digit		
	PI	Purchaser's Item Code		

Used only when the product does not have a U.P.C. number

| | UD | U.P.C./EAN Consumer Package Code (2-5-5) |
| | UI | U.P.C. Consumer Package Code (1-5-5) |

The 11-digit Universal Product Code which uniquely identifies each customer unit

Code is formatted as:
**   *1 digit number system character (U.S. Grocery and General Merchandise = 0, 6 or 7; U.S. Drug = 3)**
**   *5 digit manufacturer identification number**
**   *5 digit item number**

Multipacks should use code UB.

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

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

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit
** Code is formatted as:**
**   *1 digit packaging indicator**
**   *2 digit number system character (U.S. Grocery and General Merchandise = 00, 06 or 07; U.S. Drug = 03);   *5 digit manufacturer identification number**
**   *5 digit item number**
**   *1 digit check digit**

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

A 12-digit Universal Product Code which uniquely identifies each consumer unit

Code is formatted as:
**   *1 digt number system character (U.S. Grocery and General Merchandise = 0, 6 or 7; U.S. Drug = 3)**
**   *5 digit manufacturer identification number**
**   *5 digit item number**
**   *1 digit check digit**

| | VN | Vendor's (Seller's) Item Number |

Used only when the product does not have a U.P.C. number

| **G1706** | **234** | **Product/Service ID** | **O** | **AN 6/30** |

Identifying number for a product or service

HEB requires: If the G17_05 is sent then the G17_06 must be sent as well.

| **G1707** | **235** | **Product/Service ID Qualifier** | **O** | **ID 1/2** |

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

HEB requires: If the G17_07 is sent then the G17_08 must be sent as well.

| | EN | European Article Number (EAN) (2-5-5-1) |

13-digit code used by countries, other than the United States and Canada, to identify each consumer unit
** Code is formatted as:**
**   *2 digit country flag**
**   *5 digit company identification number (assigned by European coding authorities)**
**   *5 digit article identification number (assigned by company)**
**   *1 digit check digit**

| **G1708** | **234** | **Product/Service ID** | **O** | **AN 6/30** |

Identifying number for a product or service

HEB requires: If the G17_07 is sent then the G17_08 must be sent as well.

| **G1709** | **417** | **Price Bracket Identifier** | **O** | **AN 1/3** |

Identifier assigned by the vendor for a specific price bracket

G1710	**382**	**Number of Units Shipped**	**O**	**R0 1/10**

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

HEB requires: Up to a 10 digit real number / no decimal place.

G1711	**355**	**Unit or Basis for Measurement Code**	**O**	**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.

Segment:	**G69** Line Item Detail - Description			
Position:	020			
Loop:	0300	Mandatory		
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To describe an item in free-form format			
Syntax Notes:				
Semantic Notes:				
Comments:				

Data Element Summary

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

		Segment:	**G19** Line Item Detail - Quantity/Unit of Measure/Price Differences

Segment:	**G19** Line Item Detail - Quantity/Unit of Measure/Price Differences
Position:	030
Loop:	0300 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify details when differences exist between 1) Quantities ordered/quantities shipped 2) Units of measurement 3) Pricing 4) Coupons redeemed/validated
Syntax Notes:	**1** If either G1901 or G1902 is present, then the other is required.
	2 If either G1903 or G1904 is present, then the other is required.
	3 If either G1908 or G1909 is present, then the other is required.
Semantic Notes:	
Comments:	**1** When G1904 contains "IS", G1907, G1908, and G1909, refer to the original item ordered.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
G1901	382	**Number of Units Shipped**	**O**	**R0 1/10**

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

HEB requires: Up to a 10 digit real number / no decimal place.

G1902	355	**Unit or Basis for Measurement Code**	**O**	**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.

BA	Bale
BG	Bag
BR	Barrel
CA	Case
CW	Hundred Pounds (CWT)
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
GR	Gram
KG	Kilogram
LB	Pound
OZ	Ounce - Av
PL	Pallet/Unit Load
PT	Pint
QT	Quart

G1903	383	**Quantity Difference**	**O**	**R0 1/9**

Numeric value of variance between ordered and shipped quantities

HEB requires: Up to a 9 digit real number / no decimal place.

G1904	368	**Shipment/Order Status Code**	**O**	**ID 1/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

G1905	381	**Price Reason Code**	**O**	**ID 1/1**

Code identifying reason for differences in price or coupons redeemed

Refer to 004010UCS Data Element Dictionary for acceptable code values.

G1906	445	**Terms Exception Code**	**O**	**ID 1/2**

Code specifying the type of terms exception

| **G1907** | **438** | **U.P.C. Case Code** | | **O** | **AN 12/12** |

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)

The U.P.C. Case Code is made up of the U.P.C. Shipping Container Code without the assortment indicator and the check digit. For WINS, the U.P.C. number may not define the product to be shipped with enough uniqueness to satisfy packing, or lot variation. In such cases, Data Elements 235 (Product/Service ID Qualifier) and 234 (Product/Service ID) should be used.

| **G1908** | **235** | **Product/Service ID Qualifier** | | **O** | **ID 2/2** |

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

| | P8 | Retail Price Look Up Number (PLU) |
| | PI | Purchaser's Item Code |

Used only when the product does not have a U.P.C. number

| | UI | U.P.C. Consumer Package Code (1-5-5) |

The 11-digit Universal Product Code which uniquely identifies each customer unit

Code is formatted as:
 *1 digit number system character (U.S. Grocery and General Merchandise = 0, 6 or 7; U.S. Drug = 3)
 *5 digit manufacturer identification number
 *5 digit item number

Multipacks should use code UB.

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

A 12-digit Universal Product Code which uniquely identifies each consumer unit

Code is formatted as:
 *1 digt number system character (U.S. Grocery and General Merchandise = 0, 6 or 7; U.S. Drug = 3)
 *5 digit manufacturer identification number
 *5 digit item number
 *1 digit check digit

| | VN | Vendor's (Seller's) Item Number |

Used only when the product does not have a U.P.C. number

| **G1909** | **234** | **Product/Service ID** | | **O** | **AN 1/30** |

Identifying number for a product or service

Segment:	**G20** Item Packing Detail
Position:	040
Loop:	0300 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify packing details of the items shipped
Syntax Notes:	1 If either G2002 or G2003 is present, then the other is required.
	2 If either G2004 or G2005 is present, then the other is required.
	3 If either G2006 or G2007 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
G2001	356	**Pack**	O	N0 1/6

The number of inner containers, or number of eaches if there are no inner containers, per outer container

HEB requires: Up to a 6 digit real number / no decimal place.

Ref. Des.	Data Element	Name		Attributes
G2002	357	**Size**	O	R3 4/8

Size of supplier units in pack

For WINS, this data element expresses the size of the packages within a case.

Ref. Des.	Data Element	Name		Attributes
G2003	355	**Unit or Basis for Measurement Code**	O	ID 1/2

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.

Ref. Des.	Data Element	Name		Attributes
G2004	81	**Weight**	O	R2 1/8

Numeric value of weight

HEB requires: Up to an 8 digit real number / up to 2 decimal places.

Ref. Des.	Data Element	Name		Attributes
G2005	355	**Unit or Basis for Measurement Code**	O	ID 1/2

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	
OZ	Ounce - Av	

Ref. Des.	Data Element	Name		Attributes
G2006	183	**Volume**	O	R3 1/8

Value of volumetric measure

HEB requires: Up to an 8 digit real number / up to 3 decimal places.

Ref. Des.	Data Element	Name		Attributes
G2007	355	**Unit or Basis for Measurement Code**	O	ID 1/2

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.

CF	Cubic Feet	

Ref. Des.	Data Element	Name		Attributes
G2008	397	**Color**	O	AN 1/10

Free-form description of color

	Segment:	**G72** Allowance or Charge
	Position:	070
	Loop:	0310 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. If either G7206 or G7207 is present, then the other is required.
4. If either G7209 or G7210 is present, then the other is required.
5. If G7211 is present, then G7203 is required.

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: 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. Des.	Data Element	Name	Attributes	
M	G7201	340	**Allowance or Charge Code**	M	ID 1/3
			Code identifying the type of allowance or charge		
M	G7202	331	**Allowance or Charge Method of Handling Code**	M	ID 1/2
			Code indicating method of handling for an allowance or charge		
	G7203	341	**Allowance or Charge Number**	O	AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
	G7204	769	**Exception Number**	O	AN 1/16
			A unique number identifying an exception or modification to an offered or existing promotion		
	G7205	359	**Allowance or Charge Rate**	O	R4 1/9
			Allowance or Charge Rate per Unit		
			HEB requires: Up to a 9 digit real number / up to 4 decimal palces.		
	G7206	339	**Allowance or Charge Quantity**	O	R3 1/10
			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity		
			HEB requires: Up to a 10 digit real number / up to 3 decimal places.		
	G7207	355	**Unit or Basis for Measurement Code**	O	ID 1/2
			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.		
	G7208	360	**Allowance or Charge Total Amount**	O	N2 2/9
			Total dollar amount for the allowance or charge		
			HEB requires: Up to a 9 digit numeric / 2 implied decimal places.		
	G7209	332	**Allow/Chrg Percent**	O	R3 1/6
			Percent expressed as a percent		
			HEB requires: Up to 6 digit real number / up to 3 decimal places.		
	G7210	828	**Dollar Basis For Percent**	O	R2 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax		
			HEB requires: Up to a 9 digit real number / up to 2 decimal places.		
	G7211	770	**Option Number**	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		

	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	R0 1/10

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

HEB requires: Up to a 10 digit real number / no decimal places.
G3101 contains the hash total of all G1701 values.

	Ref. Des.	Data Element	Name		Attributes
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

HEB requires: " CA " or " LB "

CA	Case
LB	Pound

	Ref. Des.	Data Element	Name		Attributes
	G3103	81	**Weight**	O	R2 1/8

Numeric value of weight

HEB requires: Up to an 8 digit real number / up to 2 decimal places.
HEB requires: If the G31_03 is sent then the G31_04 must be sent as well.

	Ref. Des.	Data Element	Name		Attributes
	G3104	355	**Unit or Basis for Measurement Code**	O	ID 2/2

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

HEB requires: If the G31_03 is sent the G31_04 must be sent as well.

LB	Pound
OZ	Ounce - Av

	Ref. Des.	Data Element	Name		Attributes
	G3105	183	**Volume**	O	R3 1/8

Value of volumetric measure

HEB requries: Up to an 8 digit real number / up to 3 decimal places.

	Ref. Des.	Data Element	Name		Attributes
	G3106	355	**Unit or Basis for Measurement Code**	O	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.

CF	Cubic Feet

	Ref. Des.	Data Element	Name		Attributes
	G3107	398	**Order Sizing Factor**	O	R3 1/10

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

HEB requries: Up to a 10 digit real number / up to 3 decimal places.

	Ref. Des.	Data Element	Name		Attributes
	G3108	417	**Price Bracket Identifier**	O	AN 1/3

Identifier assigned by the vendor for a specific price bracket

	Ref. Des.	Data Element	Name		Attributes
	G3109	107	**Payment Method Code**	O	ID 1/2

Code identifying type of payment procedures

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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G3301	610	**Amount**	M N2 2/10

Monetary amount

HEB requires: Up to a 10 digit numberic / 2 implied decimal places.

	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:	**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**	M N0 1/10

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

When used in the SE segment, the count includes the total number of segments in the transaction including the ST and SE segments.

	Ref. Des.	Data Element	Name	Attributes
M	SE02	329	**Transaction Set Control Number**	M AN 1/9

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

HEB requires: Same number used in ST02