

# **880 - Grocery Products Invoice**

**Author:**

**DOT FOODS, INC.**

**Publication:**

**March 28, 2006**

# 880 Grocery Products Invoice

Functional Group=**GP**

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.

## Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

## Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	G01	Invoice Identification	M	1			Must use
050	G62	Date/Time	M	5			Must use
070	G27	Carrier Detail	M	5			Must use
080	G23	Terms of Sale	M	20		N1/080	Must use

<u>LOOP ID - 0100</u>					<u>10</u>	<u>N1/100L</u>	
100	N1	Name	M	1		N1/100	Must use
100	N1	Name	M	1		N1/100	Must use
100	N1	Name	M	1		N1/100	Must use
100	N1	Name	M	1		N1/100	Must use
120	N3	Address Information	M	2			Must use
130	N4	Geographic Location	M	1			Must use

<u>LOOP ID - 0200</u>					<u>100</u>		
140	G72	Allowance or Charge	C	1			Used
150	G73	Allowance or Charge Description	C	10			Used

## Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - 0300</u>					<u>9999</u>	<u>N2/010L</u>	
010	G17	Item Detail - Invoice	M	1		N2/010	Must use
020	G69	Line Item Detail - Description	M	5			Must use
030	G19	Line Item Detail - Quantity/Unit of Measure/Price Differences	C	10			Used

<u>LOOP ID - 0310</u>					<u>100</u>		
070	G72	Allowance or Charge	C	1			Used
080	G73	Allowance or Charge Description	C	10			Used

## Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control 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.
- 1/100 One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 1/100 One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 1/100 One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 1/100 One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 2/010L Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.
- 2/010 Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Code to identify the type of information in the Authorization Information</p> <p><b>Code Name</b> 00 No Authorization Information Present (No Meaningful Information in I02)</p>							
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use	1
<p><b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)</p>							
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Code to identify the type of information in the Security Information</p> <p><b>Code Name</b> 00 No Security Information Present (No Meaningful Information in I04)</p>							
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use	1
<p><b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p>							
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>							
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use	1
<p><b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element</p>							
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>Code Name</b> 08 UCC EDI Communications ID (Comm ID)</p>							

ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use	1
		<b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them					
		<b>Dot Foods:</b> 9288030000					
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use	1
		<b>Description:</b> Date of the interchange					
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use	1
		<b>Description:</b> Time of the interchange					
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer					
		<b>All valid standard codes are used.</b>					
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use	1
		<b>Description:</b> Code specifying the version number of the interchange control segments					
		<b>Code Name</b>					
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997					
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use	1
		<b>Description:</b> A control number assigned by the interchange sender					
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)					
		<b>Code Name</b>					
		0 No Acknowledgment Requested					
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information					
		<b>Code Name</b>					
		P Production Data					
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use	1
		<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator					

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code identifying a group of application related transaction sets					
		<b>Code Name</b>					
		GP Grocery Products Invoice (880)					
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use	1
		<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners					
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use	1
		<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners					
		<b>Dot Foods:</b> 9288030000					
GS04	373	<b>Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> Date expressed as CCYYMMDD					
GS05	337	<b>Time</b>	M	TM	4/8	Must use	1
		<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use	1
		<b>Description:</b> Assigned number originated and maintained by the sender					
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use	1
		<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480					
		<b>Code Name</b>					
		T Transportation Data Coordinating Committee (TDCC)					
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use	1
		<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed					
		<b><u>Code</u></b> <b><u>Name</u></b>					
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997					

**Semantics:**

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

**Comments:**

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code uniquely identifying a Transaction Set					
		<b>Code Name</b>					
		880 Grocery Products Invoice					
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use	1
		<b>Description:</b> 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

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

To transmit identifying dates and numbers for this transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G0101	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use	1
G0102	76	<b>Invoice Number</b> <b>Description:</b> Identifying number assigned by issuer	M	AN	1/22	Must use	1
G0103	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use	1
G0104	324	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use	1

## 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 - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G6201	432	<b>Date Qualifier</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying type of date					
		<b>Code Name</b>					
		11 Shipped on This Date					
G6202	373	<b>Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> 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

Pos: 070	Max: 5
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify details of the transportation equipment and carrier routing details

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G2701	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use	1
		<b>Description:</b> Code specifying the method or type of transportation for the shipment					
		<b>Code Name</b>					
		H		Customer Pickup			
		M		Motor (Common Carrier)			
G2705	387	<b>Routing</b>	M	AN	1/35	Must use	1
		<b>Description:</b> 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

Pos: 080	Max: 20
Heading - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To specify the terms of sale

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G2301	336	<b>Terms Type Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code identifying type of payment terms					
		<b>Code Name</b>					
		01 Basic					
G2302	333	<b>Terms Basis Date Code</b>	M	ID	1/2	Must use	1
		<b>Description:</b> Code identifying the beginning of the terms period					
		<b>Code Name</b>					
		3 Invoice Date					
G2303	282	<b>Terms Start Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> Date from which payment terms are calculated expressed in format CCYYMMDD					
G2305	338	<b>Terms Discount Percent</b>	C	R3	1/6	Used	1
		<b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date					
		<b>Dot Foods:</b> <i>If applicable.</i>					
G2306	370	<b>Terms Discount Due Date</b>	C	DT	8/8	Used	1
		<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD					
		<b>Dot Foods:</b> <i>If applicable.</i>					
G2308	446	<b>Terms Net Due Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD					
G2310	362	<b>Terms Discount Amount</b>	C	N2	1/10	Used	1
		<b>Description:</b> Total amount of terms discount					
		<b>Dot Foods:</b> <i>If applicable.</i>					
G2315	3	<b>Free Form Message</b>	O	AN	1/60	Recommended	1
		<b>Description:</b> Free-form text					

## 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.

# N1 Name

Pos: 100 Max: 1

Heading - Mandatory

Loop: 0100 Elements: 4

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <b>Code Name</b> BT Bill-to-Party	M	ID	2/3	Must use	1
N102	93	<b>Name</b>  <b>Description:</b> Free-form name	M	AN	1/60	Must use	1
N103	66	<b>Identification Code Qualifier</b>  <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <b>Code Name</b> 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M	ID	1/2	Must use	1
N104	67	<b>Identification Code</b>  <b>Description:</b> Code identifying a party or other code  <b>Dot Foods:</b> 0256712560000	M	AN	2/80	Must use	1

## 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.

# N1 Name

Pos: 100	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <b>Code Name</b> ST Ship To	M	ID	2/3	Must use	1
N102	93	<b>Name</b>  <b>Description:</b> Free-form name	M	AN	1/60	Must use	1
N103	66	<b>Identification Code Qualifier</b>  <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <b>Code Name</b> 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M	ID	1/2	Must use	1
N104	67	<b>Identification Code</b>  <b>Description:</b> Code identifying a party or other code	M	AN	2/80	Must use	1

## 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.

# N1 Name

Pos: 100	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <b>Code Name</b> SF Ship From	M	ID	2/3	Must use	1
N102	93	<b>Name</b>  <b>Description:</b> Free-form name	M	AN	1/60	Must use	1
N103	66	<b>Identification Code Qualifier</b>  <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <b>Code Name</b> 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M	ID	1/2	Must use	1
N104	67	<b>Identification Code</b>  <b>Description:</b> Code identifying a party or other code	M	AN	2/80	Must use	1

## 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.

# N1 Name

Pos: 100	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual					
		<b>Code Name</b>					
		RE Party to receive commercial invoice remittance					
N102	93	<b>Name</b>	M	AN	1/60	Must use	1
		<b>Description:</b> Free-form name					
N103	66	<b>Identification Code Qualifier</b>	M	ID	1/2	Must use	1
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)					
		<b>Code Name</b>					
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix					
N104	67	<b>Identification Code</b>	M	AN	2/80	Must use	1
		<b>Description:</b> Code identifying a party or other code					

## 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.

# N3 Address Information

Pos: 120	Max: 2
Heading - Mandatory	
Loop: 0100	Elements: 1

User Option (Usage): Must use

To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use	1

**Description:** Address information

# N4 Geographic Location

Pos: 130	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 3

**User Option (Usage):** Must use

To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N401	19	<b>City Name</b>	M	AN	2/30	Must use	1
		<b>Description:</b> Free-form text for city name					
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency					
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use	1
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

## 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.

# G72 Allowance or Charge

Pos: 140	Max: 1
Heading - Conditional	
Loop: 0200	Elements: 4

User Option (Usage): Used

To specify allowances, charges, or services

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G7201	340	<b>Allowance or Charge Code</b>  <b>Description:</b> Code identifying the type of allowance or charge <b>All valid standard codes are used.</b>	M	ID	1/3	Must use	1
G7202	331	<b>Allowance or Charge Method of Handling Code</b>  <b>Description:</b> Code indicating method of handling for an allowance or charge  <b>Code Name</b> 02 Off Invoice	M	ID	2/2	Must use	1
G7205	359	<b>Allowance or Charge Rate</b>  <b>Description:</b> Allowance or Charge Rate per Unit	C	R4	1/15	Used	1
G7208	360	<b>Allowance or Charge Total Amount</b>  <b>Description:</b> Total dollar amount for the allowance or charge	C	N2	1/15	Used	1

## 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.

# G73 Allowance or Charge Description

Pos: 150	Max: 10
Heading - Conditional	
Loop: 0200	Elements: 1

User Option (Usage): Used

To describe the allowance or charge in free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G7301	369	<b>Free-form Description</b>	M	AN	1/45	Must use	1

**Description:** Free-form descriptive text

## Comments:

1. Use of the G73 segment requires concurrent use of a corresponding allowance/charge segment.

# G17 Item Detail - Invoice

Pos: 010	Max: 1
Detail - Mandatory	
Loop: 0300	Elements: 5

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G1701	358	<b>Quantity Invoiced</b>	M	R3	1/10	Must use	1
		<b>Description:</b> Number of units invoiced (supplier units)					
G1702	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code Name</b>					
		CA Case					
		EA Each					
		LB Pound					
G1703	237	<b>Item List Cost</b>	M	R4	1/9	Must use	1
		<b>Description:</b> Gross unit cost within the appropriate price bracket for a line item					
G1705	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>Code Name</b>					
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
G1706	234	<b>Product/Service ID</b>	M	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
		<b>Dot Foods:</b> 14 digit GTIN (SCC-14)					

## 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.

# G69 Line Item Detail - Description

Pos: 020	Max: 5
Detail - Mandatory	
Loop: 0300	Elements: 1

User Option (Usage): Must use

To describe an item in free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G6901	369	<b>Free-form Description</b>	M	AN	1/45	Must use	1

**Description:** Free-form descriptive text

# G19 Line Item Detail - Quantity/Unit of Measure/Price Differences

Pos: 030	Max: 10
Detail - Conditional	
Loop: 0300	Elements: 2

User Option (Usage): Used

To specify details when differences exist between 1) Quantities ordered/quantities shipped 2) Units of measurement 3) Pricing 4) Coupons redeemed/validated

## Dot Foods:

*It is only necessary to send the G19 segment if the Quantity Invoiced (G1701), the Quantity Invoiced UOM (G1702) and the Item List Cost (G1703) are communicating per pound values, rather than per case values.*

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G1901	382	<b>Number of Units Shipped</b>	C	R0	1/10	Used	1
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set					
G1902	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code Name</b>					
		CA	Case				

## Syntax Rules:

1. P0102 - If either G1901 or G1902 is present, then the other is required.
2. P0304 - If either G1903 or G1904 is present, then the other is required.
3. P0809 - If either G1908 or G1909 is present, then the other is required.

## Comments:

1. When G1904 contains "IS", G1907, G1908, and G1909, refer to the original item ordered.

# G72 Allowance or Charge

Pos: 070	Max: 1
Detail - Conditional	
Loop: 0310	Elements: 4

User Option (Usage): Used

To specify allowances, charges, or services

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G7201	340	<b>Allowance or Charge Code</b>  <b>Description:</b> Code identifying the type of allowance or charge <b>All valid standard codes are used.</b>	M	ID	1/3	Must use	1
G7202	331	<b>Allowance or Charge Method of Handling Code</b>  <b>Description:</b> Code indicating method of handling for an allowance or charge  <b>Code Name</b> 02 Off Invoice	M	ID	2/2	Must use	1
G7205	359	<b>Allowance or Charge Rate</b>  <b>Description:</b> Allowance or Charge Rate per Unit	C	R4	1/15	Used	1
G7208	360	<b>Allowance or Charge Total Amount</b>  <b>Description:</b> Total dollar amount for the allowance or charge	C	N2	1/15	Used	1

## 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.

# G73 Allowance or Charge Description

Pos: 080	Max: 10
Detail - Conditional	
Loop: 0310	Elements: 1

User Option (Usage): Used

To describe the allowance or charge in free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G7301	369	<b>Free-form Description</b>	M	AN	1/45	Must use	1

**Description:** Free-form descriptive text

## Comments:

1. Use of the G73 segment requires concurrent use of a corresponding allowance/charge segment.

# G31 Total Invoice Quantity

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G3101	382	<b>Number of Units Shipped</b>	M	R0	1/10	Must use	1
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set					
G3102	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code Name</b>					
		CA Case					
		EA Each					
		UN Unit					
		<b>Dot Foods:</b>					
		<i>If there is a mixture of each and case items on the invoice, please send "UN" as the total shipped quantity UOM.</i>					
G3103	81	<b>Weight</b>	M	R2	1/10	Must use	1
		<b>Description:</b> Numeric value of weight					
		<b>Dot Foods:</b> Total gross weight.					
G3104	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code Name</b>					
		LB Pound					
G3105	183	<b>Volume</b>	O	R3	1/8	Used	1
		<b>Description:</b> Value of volumetric measure					
G3106	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code Name</b>					
		CF Cubic Feet					

## 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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
G3301	610	Amount	M	N2	1/15	Must use	1

Description: Monetary amount

# SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Must use	1
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments					
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use	1
		<b>Description:</b> 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.

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use	1
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element					
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use	1
		<b>Description:</b> Assigned number originated and maintained by the sender					

## Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

## Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	NO	1/5	Must use	1
		<b>Description:</b> A count of the number of functional groups included in an interchange					
IEA02	I12	<b>Interchange Control Number</b>	M	NO	9/9	Must use	1
		<b>Description:</b> A control number assigned by the interchange sender					