



**General  
Mills**

**Making Food  
People Love**

# **880 Grocery Products Invoice**

UCS/V5010UCS/880 : 880 Grocery Products Invoice

**Company:**

**General Mills**

**Modified:**

**1/17/2018**

**Notes:**

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# 880 Grocery Products Invoice

Functional Group=**GP**

**Purpose:** This X12 Transaction Set 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.

**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>
0100	ST	Transaction Set Header	M	1			Must use
0200	G01	Invoice Identification	M	1			Must use
0300	N9	Extended Reference Information	O	10			Used
0500	G62	Date/Time	O	5			Used
0600	NTE	Note/Special Instruction	O	20			Used
0700	CAD	Carrier Details	O	5			Used
0800	G23	Terms of Sale	O	20		N1/0800	Used
0900	G25	F.O.B. Information	O	1			Used

<u>LOOP ID - 0100</u>					<u>10</u>	<u>N1/1000L</u>	
1000	N1	Party Identification	M	1		N1/1000	Must use
1200	N3	Party Location	O	2			Used
1300	N4	Geographic Location	O	1			Used

<u>LOOP ID - 0200</u>					<u>100</u>		
1400	G72	Allowance or Charge	O	1			Used
1500	G73	Allowance or Charge Description	O	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>N2/0100L</u>	
0100	G17	Item Detail - Invoice	O	1		N2/0100	Used
0200	G69	Line Item Detail - Description	O	5			Used
0400	G20	Item Packing Detail	O	1			Used
<u>LOOP ID - 0310</u>					<u>100</u>		
0700	G72	Allowance or Charge	O	1			Used
0800	G73	Allowance or Charge Description	O	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>
0100	G31	Total Invoice Quantity	M	1			Must use
0200	G33	Total Dollars Summary	M	1			Must use
0300	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:**

- 1/0800 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.
- 1/1000L One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 1/1000 One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
- 2/0100L Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.
- 2/0100 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

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

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

**Purpose:** 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>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type of information in the Authorization Information						
<b>CodeList Summary</b> (Total Codes: 7, Included: 1)						
<b>Code Name</b>						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<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)						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type of information in the Security Information						
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<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)						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>All valid standard codes are used. (Total Codes: 41)</b>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<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						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>All valid standard codes are used. (Total Codes: 41)</b>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<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						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
<b>Description:</b> Date of the interchange						
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
<b>Description:</b> Time of the interchange						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA11	I65	<b>Repetition Separator</b>	M		1/1	Must use

**Description:** Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
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**Description:** Code specifying the version number of the interchange control segments

**CodeList Summary** (Total Codes: 20, Included: 1)

**Code Name**

00501 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003

ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
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**Description:** A control number assigned by the interchange sender

ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
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**Description:** Code indicating sender's request for an interchange acknowledgment

**All valid standard codes are used. (Total Codes: 2)**

ISA15	I14	<b>Interchange Usage Indicator</b>	M	ID	1/1	Must use
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**Description:** Code indicating whether data enclosed by this interchange envelope is test, production or information

**CodeList Summary** (Total Codes: 3, Included: 1)

**Code Name**

P Production Data

ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
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**Description:** 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

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

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

**Purpose:** 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**CodeList Summary** (Total Codes: 260, Included: 1)

**Code Name**

GP Grocery Products Invoice (880)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** 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
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**Description:** 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
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

**CodeList Summary** (Total Codes: 2, Included: 1)

**Code Name**

T Transportation Data Coordinating Committee (TDCC)

GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including 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

**CodeList Summary** (Total Codes: 55, Included: 1)

**Code Name**

005010UCS

## Semantics:

- 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

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

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

**Purpose:** 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>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 318, Included: 1)

**Code Name**

880 Grocery Products Invoice

ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
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**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) 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).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# G01 Invoice Identification

<b>Pos: 0200</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 4</b>

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

**Purpose:** 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>
G0101	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
G0102	76	<b>Invoice Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
G0103	373	<b>Date</b>	O	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
G0104	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				

## 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.

# N9 Extended Reference Information

Pos: 0300	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 11)

**Code Name**

- AN Associated Purchase Orders
- BM Bill of Lading Number
- CR Customer Reference Number
- IA Internal Vendor Number
- IL Internal Order Number
- L1 Letters or Notes
- RV Receiving Number
- VN Vendor Order Number
- VR Vendor ID Number
- YD Buyer Identification
- ZZ Mutually Defined

N902	127	Reference Identification	X	AN	1/50	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# G62 Date/Time

<b>Pos: 0500</b>	<b>Max: 5</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Used

**Purpose:** 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>
G6201	432	<b>Date Qualifier</b>	X	ID	2/2	Used

**Description:** Code specifying type of date

**CodeList Summary** (Total Codes: 139, Included: 1)

**Code Name**

11 Shipped on This Date

G6202	373	<b>Date</b>	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## 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.

# NTE Note/Special Instruction

Pos: 0600	Max: 20
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

## 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>
NTE01	363	<b>Note Reference Code</b>	O	ID	3/3	Used

**Description:** Code identifying the functional area or purpose for which the note applies

**CodeList Summary** (Total Codes: 348, Included: 2)

<u>Code</u>	<u>Name</u>
ALL	All Documents
INV	Invoice Instruction

NTE02	352	<b>Description</b>	M	AN	1/80	Must use
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**Description:** A free-form description to clarify the related data elements and their content

## Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processible. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

# CAD Carrier Details

<b>Pos: 0700</b>	<b>Max: 5</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 5</b>

**User Option (Usage):** Used

**Purpose:** To specify transportation details for the transaction

## 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>
CAD01	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use

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

**CodeList Summary** (Total Codes: 80, Included: 3)

**Code Name**

- H Customer Pickup
- M Motor (Common Carrier)
- LT Less Than Trailer Load (LTL)

CAD02	206	<b>Equipment Initial</b>	O	AN	1/4	Used
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**Description:** Prefix or alphabetic part of an equipment unit's identifying number

CAD03	207	<b>Equipment Number</b>	O	AN	1/15	Used
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**Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

CAD04	140	<b>Standard Carrier Alpha Code</b>	X	ID	2/4	Used
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**Description:** Standard Carrier Alpha Code

CAD05	387	<b>Routing</b>	X	AN	1/35	Used
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**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

## Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

# G23 Terms of Sale

<b>Pos: 0800</b>	<b>Max: 20</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 13</b>

**User Option (Usage):** Used

**Purpose:** 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>
G2301	336	<b>Terms Type Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying type of payment terms						
<b>CodeList Summary</b> (Total Codes: 77, Included: 2)						
<u>Code</u> <u>Name</u>						
01 Basic						
05 Discount Not Applicable						
G2302	333	<b>Terms Basis Date Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the beginning of the terms period						
<b>CodeList Summary</b> (Total Codes: 17, Included: 1)						
<u>Code</u> <u>Name</u>						
3 Invoice Date						
G2303	282	<b>Terms Start Date</b>	O	DT	8/8	Used
<b>Description:</b> Date from which payment terms are calculated expressed in format CCYYMMDD where CC represents the first two digits of the calendar year						
G2304	283	<b>Terms Due Date Qualifier</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the method to be used for payment in conjunction with due date						
<b>CodeList Summary</b> (Total Codes: 4, Included: 1)						
<u>Code</u> <u>Name</u>						
04 Funds Deposited by Date						
G2305	338	<b>Terms Discount Percent</b>	O	R	1/6	Used
<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						
G2306	370	<b>Terms Discount Due Date</b>	O	DT	8/8	Used
<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year						
G2307	351	<b>Terms Discount Days Due</b>	O	N0	1/3	Used
<b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned						
G2308	446	<b>Terms Net Due Date</b>	X	DT	8/8	Used
<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year						
G2309	386	<b>Terms Net Days</b>	X	N0	1/3	Used
<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)						
G2310	362	<b>Terms Discount Amount</b>	O	N2	1/10	Used
<b>Description:</b> Total amount of terms discount						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2311	391	<b>Discounted Amount Due</b>	O	N2	1/10	Used
		<b>Description:</b> Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount)				
G2312	390	<b>Amount Subject to Terms Discount</b>	O	N2	1/10	Used
		<b>Description:</b> Amount upon which the terms discount amount is calculated				
G2315	3	<b>Free-form Message</b>	O	AN	1/60	Used
		<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.



# G25 F.O.B. Information

<b>Pos: 0900</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Used

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

## 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>
G2501	146	<b>Shipment Method of Payment</b>	M	ID	2/2	Must use

**Description:** Code identifying payment terms for transportation charges

**CodeList Summary** (Total Codes: 31, Included: 2)

**Code Name**

- PB Customer Pickup/Backhaul
- PP Prepaid (by Seller)

G2502	433	<b>F.O.B. Point Code</b>	M	ID	2/2	Must use
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**Description:** Code identifying type of F.O.B. point

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

**Code Name**

- 02 Destination

# Loop Party Identification

<b>Pos: 1000</b>	<b>Repeat: 10</b>
<b>Mandatory</b>	
<b>Loop: 0100</b>	<b>Elements: N/A</b>

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

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1000	N1	Party Identification	M	1		Must use
1200	N3	Party Location	O	2		Used
1300	N4	Geographic Location	O	1		Used

# N1 Party Identification

<b>Pos: 1000</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: 0100</b>	<b>Elements: 4</b>

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

**Purpose:** 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>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

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

**CodeList Summary** (Total Codes: 1501, Included: 6)

**Code Name**

BT	Bill-to-Party
RI	Remit To
SF	Ship From
SN	Store
ST	Ship To
VN	Vendor

N102	93	<b>Name</b>	X	AN	1/60	Used
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**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 242, Included: 4)

**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
UL	Global Location Number (GLN)

**Description:** A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system

N104	67	<b>Identification Code</b>	X	AN	2/80	Used
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**Description:** 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 Party Location

Pos: 1200	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

Purpose: 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>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

<b>Pos: 1300</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: 0100</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

**Purpose:** 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>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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

Pos: 1400	Repeat: 100
Optional	
Loop: 0200	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify allowances, charges, or services

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1400	G72	Allowance or Charge	O	1		Used
1500	G73	Allowance or Charge Description	O	10		Used

# G72 Allowance or Charge

<b>Pos: 1400</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: 0200</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

**Purpose:** 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>
G7201	340	<b>Allowance or Charge Code</b>	M	ID	1/3	Must use

**Description:** Code identifying the type of allowance or charge

**CodeList Summary** (Total Codes: 128, Included: 10)

**Code Name**

- 4 Fuel Allowance
- 26 Unloading
- 40 Slip Sheet Allowance
- 54 Pickup Allowance
- 58 Unsaleable Merchandise Allowance
- 61 Handling Allowance
- 62 Freshness/Leaker Allowance
- 95 Swell
- 514 Surcharge
- 515 Stopcharge

G7202	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use
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**Description:** Code indicating method of handling for an allowance or charge

**CodeList Summary** (Total Codes: 22, Included: 2)

**Code Name**

- 02 Off Invoice
- 06 Charge to be Paid by Customer

G7208	360	<b>Allowance or Charge Total Amount</b>	X	N2	1/15	Used
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**Description:** Total dollar amount for the allowance or charge

## 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: 1500	Max: 10
Heading - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

Purpose: 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>
G7301	369	Free-form Description	M	AN	1/45	Must use

Description: Free-form descriptive text

### Comments:

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



# Loop Item Detail - Invoice

Pos: 0100	Repeat: 9999
Optional	
Loop: 0300	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	G17	Item Detail - Invoice	O	1		Used
0200	G69	Line Item Detail - Description	O	5		Used
0400	G20	Item Packing Detail	O	1		Used
0700		Loop 0310	O		100	Used

# G17 Item Detail - Invoice

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: 0300</b>	<b>Elements: 8</b>

**User Option (Usage):** Used

**Purpose:** 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>
G1701	358	<b>Quantity Invoiced</b>	M	R	1/15	Must use
<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
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 844, Included: 2)						
<u>Code</u> <u>Name</u>						
CA Case						
PL Pallet/Unit Load						
G1703	237	<b>Item List Cost</b>	X	R	1/9	Used
<b>Description:</b> Gross unit cost within the appropriate price bracket for a line item						
G1704	438	<b>U.P.C. Case Code</b>	X	AN	12/12	Used
<b>Description:</b> 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)						
G1705	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b>General Mills Note:</b> <i>Common qualifiers shown.</i>						
<b>CodeList Summary</b> (Total Codes: 521, Included: 6)						
<u>Code</u> <u>Name</u>						
CB Buyer's Catalog Number						
IN Buyer's Item Number						
PI Purchaser's Item Code						
UA U.P.C./EAN Case Code (2-5-5)						
UK GTIN 14-digit Data Structure						
<b>Description:</b> <i>Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)</i>						
UP UCC - 12						
<b>Description:</b> <i>Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i>						
G1706	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						
G1707	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b>General Mills Note:</b> <i>Common qualifiers shown.</i>						
<b>CodeList Summary</b> (Total Codes: 522, Included: 6)						

**Code Name**

CB Buyer's Catalog Number

IN Buyer's Item Number

PI Purchaser's Item Code

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

**Description:** *Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)*

UP UCC - 12

**Description:** *Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

G1708	234	<b>Product/Service ID</b>	X	AN	1/48	Used
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**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.

# G69 Line Item Detail - Description

Pos: 0200	Max: 5
Detail - Optional	
Loop: 0300	Elements: 1

User Option (Usage): Used

Purpose: 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>
G6901	369	Free-form Description	M	AN	1/45	Must use

Description: Free-form descriptive text

# G20 Item Packing Detail

<b>Pos: 0400</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: 0300</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

**Purpose:** To specify packing details of the items shipped

## 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>
G2001	356	<b>Pack</b>	O	N0	1/6	Used
		<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container				
G2002	357	<b>Size</b>	X	R	1/8	Used
		<b>Description:</b> Size of supplier units in pack				
G2003	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

**CodeList Summary** (Total Codes: 844, Included: 3)

<u>Code</u>	<u>Name</u>
EA	Each
LB	Pound
OZ	Ounce - Av

## Syntax Rules:

1. P0203 - If either G2002 or G2003 is present, then the other is required.
2. P0405 - If either G2004 or G2005 is present, then the other is required.
3. P0607 - If either G2006 or G2007 is present, then the other is required.

# Loop Allowance or Charge

Pos: 0700	Repeat: 100
Optional	
Loop: 0310	Elements: N/A

User Option (Usage): Used

Purpose: To specify allowances, charges, or services

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0700	G72	Allowance or Charge	O	1		Used
0800	G73	Allowance or Charge Description	O	10		Used

# G72 Allowance or Charge

<b>Pos: 0700</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: 0310</b>	<b>Elements: 8</b>

**User Option (Usage):** Used

**Purpose:** 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>
G7201	340	<b>Allowance or Charge Code</b>	M	ID	1/3	Must use

**Description:** Code identifying the type of allowance or charge

**CodeList Summary** (Total Codes: 127, Included: 6)

**Code Name**

- 40 Slip Sheet Allowance
- 51 Trade Discount
- 58 Unsaleable Merchandise Allowance
- 90 Performance Allowance
- 95 Swell
- 97 Cents Off

G7202	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use
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**Description:** Code indicating method of handling for an allowance or charge

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

**Code Name**

- 02 Off Invoice

G7205	359	<b>Allowance or Charge Rate</b>	X	R	1/15	Used
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**Description:** Allowance or Charge Rate per Unit

G7206	339	<b>Allowance or Charge Quantity</b>	X	R	1/10	Used
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**Description:** Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity

G7207	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

G7208	360	<b>Allowance or Charge Total Amount</b>	X	N2	1/15	Used
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**Description:** Total dollar amount for the allowance or charge

G7209	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
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**Description:** Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

G7210	828	<b>Dollar Basis For Percent</b>	X	R	1/9	Used
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**Description:** Dollar basis to be used in the percent calculation of the allowance, charge or tax

## 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: 0800	Max: 10
Detail - Optional	
Loop: 0310	Elements: 1

User Option (Usage): Used

Purpose: 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>
G7301	369	Free-form Description	M	AN	1/45	Must use

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: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 7

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G3101	382	<b>Number of Units Shipped</b>	M	R	1/10	Must use
<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
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 845, Included: 2)						
<u>Code</u> <u>Name</u>						
CA Case						
UN Unit						
G3103	81	<b>Weight</b>	X	R	1/10	Used
<b>Description:</b> Numeric value of weight						
G3104	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 844, Included: 1)						
<u>Code</u> <u>Name</u>						
LB Pound						
G3105	183	<b>Volume</b>	X	R	1/8	Used
<b>Description:</b> Value of volumetric measure						
G3106	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 844, Included: 1)						
<u>Code</u> <u>Name</u>						
CF Cubic Feet						
G3107	398	<b>Order Sizing Factor</b>	O	R	1/10	Used
<b>Description:</b> 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						

## 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: 0200	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:

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

**Description:** Monetary amount

# SE Transaction Set Trailer

<b>Pos: 0300</b>	<b>Max: 1</b>
<b>Summary - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Must use
		<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
		<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:

- SE is the last segment of each transaction set.

# GE Functional Group Trailer

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

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

**Purpose:** 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>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
<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
<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

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

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

**Purpose:** 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>
IEA01	116	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	112	<b>Interchange Control Number</b>	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						