

# **Sprouts Farmers Market 880 Grocery Products Invoice**

**X12/V5010/880 : 880 Grocery Products Invoice**

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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.

## 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	M	10			Must use
0400	G61	Contact	O	3			Used
0500	G62	Date/Time	M	5			Must use
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
<b>LOOP ID - 0100</b>					<b>10</b>	<b>N1/1000L</b>	
1000	N1	Party Identification	M	1		N1/1000	Must use
1200	N3	Party Location	O	2			Used
1300	N4	Geographic Location	O	1			Used
<b>LOOP ID - 0200</b>					<b>100</b>		
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>
<b>LOOP ID - 0300</b>					<b>9999</b>	<b>N2/0100L</b>	
0100	G17	Item Detail - Invoice	M	1		N2/0100	Must use
0200	G69	Line Item Detail - Description	M	5			Must use
0400	G20	Item Packing Detail	M	1			Must use
0450	N9	Extended Reference Information	O	5			Used
<b>LOOP ID - 0310</b>					<b>100</b>		
0700	G72	Allowance or Charge	M	1			Must use
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

<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>
0300	SE	Transaction Set 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.

**Change History:**

01/09/2018

- Added G2002 and G2003 elements.

06/20/2018

- Added header and line level G7201 qualifier of 526

07/02/2018

-Added G7201 qualifier of 550 at header and line item level.

-Added G7202 qualifier of 06 at header and line item level.

07/09/2018

- Added G7201 qualifier of 491 and 537 at header and line item level.

08/10/2018

- Added G20 segment as mandatory. The case pack value must be provided.

10/24/2018

- N104 is now mandatory when N101 = ST.

07/14/2020

- Removed 526 as an allowed G7201 value at the summary level.

- Removed 504, 14, 4, 68 as allowed G7201 values at the detail level.

10/01/2020

- Added user note to PO401 and PO402: Must be greater than 0

# ST Transaction Set Header

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 3</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
<b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used. (Total Codes: 318)</b>						
ST02	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						
ST03	1705	<b>Implementation Convention Reference</b>	O	AN	1/35	Used
<b>Description:</b> Reference assigned to identify Implementation Convention						

## 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

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**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						
<b>User Note 1:</b> <i>Invoice Date</i>						
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>	M	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>	M	AN	1/22	Must use
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
<b>User Note 1:</b> <i>If there is no originating Order Number, a Sprouts contract, ticket or account number must be present.</i>						
G0108	640	<b>Transaction Type Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the type of transaction						
<b>CodeList Summary</b> (Total Codes: 534, Included: 1)						
<b>Code Name</b>						
DI Debit Invoice						

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

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

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 5)

### Code Name

11 Account Number

#### User Note 1:

*Vendor assigned Account Number*

2I Tracking Number

BM Bill of Lading Number

CN Carrier's Reference Number (PRO/Invoice)

IA Internal Vendor Number

#### User Note 1:

*Sprouts assigned Vendor ID - Mandatory*

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.

# G61 Contact

<b>Pos: 0400</b>	<b>Max: 3</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom communications should be directed

## 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>
G6101	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>CodeList Summary</b> (Total Codes: 238, Included: 1)						
<u>Code</u> <u>Name</u>						
IC      Information Contact						
G6102	93	<b>Name</b>	M	AN	1/60	Must use
<b>Description:</b> Free-form name						
G6103	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 42, Included: 2)						
<u>Code</u> <u>Name</u>						
EM      Electronic Mail						
TE      Telephone						
G6104	364	<b>Communication Number</b>	X	AN	1/256	Used
<b>Description:</b> Complete communications number including country or area code when applicable						

## Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

## Comments:

1. G6103 qualifies G6104.



# G62 Date/Time

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

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

**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>	M	ID	2/2	Must use

**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>	O	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

**User Note 1:** *If no physical shipment, the ship date should be the date the service was rendered, or the invoice date.*

## 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	Note Reference Code	O	ID	3/3	Used

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

**CodeList Summary** (Total Codes: 348, Included: 1)

Code Name

GEN Entire Transaction Set

NTE02	352	Description	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: 3</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	Transportation Method/Type Code	M	ID	1/2	Must use
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>CodeList Summary</b> (Total Codes: 80, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
ZZ Mutually defined						
CAD04	140	Standard Carrier Alpha Code	O	ID	2/4	Used
<b>Description:</b> Standard Carrier Alpha Code						
CAD05	387	Routing	O	AN	1/35	Used
<b>Description:</b> 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: 9</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: 1)				
		<u>Code</u>	<u>Name</u>			
		ZZ	Mutually Defined			
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: 3)				
		<u>Code</u>	<u>Name</u>			
		1	Ship Date			
		3	Invoice Date			
		15	Receipt of Goods			
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				
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.

# Loop Party Identification

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

**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

## User Note 1:

*Two iterations of the N1 loop are required for both the Ship To and Remit To addresses.*

# 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
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>CodeList Summary</b> (Total Codes: 1500, Included: 2)						
<b>Code Name</b>						
RI Remit To						
<b>User Note 1:</b> Mandatory						
ST Ship To						
<b>User Note 1:</b> Mandatory						
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>CodeList Summary</b> (Total Codes: 241, Included: 2)						
<b>Code Name</b>						
9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix						
92 Assigned by Buyer or Buyer's Agent						
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<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.

## User Note 1:

*N104 is required when N101 = ST.  
The Ship To location code from the Purchase Order must be returned.*

# N3 Party Location

<b>Pos: 1200</b>	<b>Max: 2</b>
<b>Heading - Optional</b>	
<b>Loop: 0100</b>	<b>Elements: 2</b>

**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: 4</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)				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## 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

Pos: 1400	Max: 1
Heading - Optional	
Loop: 0200	Elements: 3

**User Option (Usage):** Used

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

## Element Summary:

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

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

**CodeList Summary** (Total Codes: 127, Included: 12)

**Code Name**

4 Fuel Allowance  
14 Handling Out  
51 Trade Discount

**User Note 1:**

*General Discount*

63 Floor Stock Protection  
68 Scanner Allowance  
90 Performance Allowance

**User Note 1:**

*Used for Marketing Coupons*

95 Swell  
116 Media Charge

**User Note 1:**

*Used for Pricing/Marketing Charges, Ad Fees, Demo Fees, Merchandising Services, Digital Marketing Fee*

491 Tax Credit Allowance  
504 Freight  
537 State or Province Tax  
550 Deposit Charge - Non-Resale Item

**User Note 1:**

*Bottle Deposit*

G7202	331	Allowance or Charge Method of Handling Code	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: 3)

**Code Name**

01 Bill Back  
02 Off Invoice  
06 Charge to be Paid by Customer

G7208	360	Allowance or Charge Total Amount	M	N2	1/15	Must use
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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  
Mandatory  
Loop: 0300 Elements: N/A

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

**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	M	1		Must use
0200	G69	Line Item Detail - Description	M	5		Must use
0400	G20	Item Packing Detail	M	1		Must use
0450	N9	Extended Reference Information	O	5		Used
0700		Loop 0310	O		100	Used

# G17 Item Detail - Invoice

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: 0300</b>	<b>Elements: 11</b>

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

**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: 3)				
		<u>Code</u>	<u>Name</u>			
		CA	Case			
		EA	Each			
		LB	Pound			
G1703	237	<b>Item List Cost</b>	M	R	1/9	Must use
		<b>Description:</b> Gross unit cost within the appropriate price bracket for a line item				
G1704	438	<b>U.P.C. Case Code</b>	O	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>CodeList Summary</b> (Total Codes: 519, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		UK	GTIN 14-digit Data Structure			
		VN	Vendor's (Seller's) Item Number			
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>CodeList Summary</b> (Total Codes: 519, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		UK	GTIN 14-digit Data Structure			
		VN	Vendor's (Seller's) Item Number			

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G1708	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
G1710	382	<b>Number of Units Shipped</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
		<b>User Note 1:</b> <i>If the invoice quantity UOM (G1702) is in lbs, the ship quantity and unit of measure must be provided.</i>				
G1711	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: 2)				
		<b><u>Code</u> <u>Name</u></b>				
		CA Case				
		EA Each				
G1714	782	<b>Monetary Amount</b>	X	R	1/18	Used
		<b>Description:</b> Monetary amount				

**Syntax Rules:**

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

**Semantics:**

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

**Comments:**

1. G1702 qualifies G1701.

**User Note 1:**

*One of UPC number, Vendor Part Number or GTIN number must be present.*



# G69 Line Item Detail - Description

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

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

**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 - Mandatory</b>	
<b>Loop: 0300</b>	<b>Elements: 3</b>

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

**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	Pack	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																
<b>User Note 1:</b> <i>Must be greater than 0</i>																
G2002	357	Size	X	R	1/8	Used										
<b>Description:</b> Size of supplier units in pack																
<b>User Note 1:</b> <i>Must be greater than 0</i>																
G2003	355	Unit or Basis for Measurement Code	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: 4)																
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>GA</td><td>Gallon</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>LT</td><td>Liter</td></tr><tr><td>OZ</td><td>Ounce - Av</td></tr></table>							<u>Code</u>	<u>Name</u>	GA	Gallon	LB	Pound	LT	Liter	OZ	Ounce - Av
<u>Code</u>	<u>Name</u>															
GA	Gallon															
LB	Pound															
LT	Liter															
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.

# N9 Extended Reference Information

<b>Pos: 0450</b>	<b>Max: 5</b>
<b>Detail - Optional</b>	
<b>Loop: 0300</b>	<b>Elements: 2</b>

**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: 1)

**Code Name**

LI Line Item Identifier (Seller's)

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.

# 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	M	1		Must use
0800	G73	Allowance or Charge Description	O	10		Used

# G72 Allowance or Charge

<b>Pos: 0700</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: 0310</b>	<b>Elements: 4</b>

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

**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: 9)

### Code Name

51 Trade Discount

#### **User Note 1:**

*General Discount*

63 Floor Stock Protection

90 Performance Allowance

95 Swell

116 Media Charge

491 Tax Credit Allowance

526 Beverage Tax

537 State or Province Tax

550 Deposit Charge - Non-Resale Item

#### **User Note 1:**

*Bottle Deposit*

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: 3)

### Code Name

01 Bill Back

02 Off Invoice

06 Charge to be Paid by Customer

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

G7209	332	<b>Percent, Decimal Format</b>	X	R	1/6	Not used
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**Description:** Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

## 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: 2

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

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

## Element Summary:

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

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

G3102	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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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

**CodeList Summary** (Total Codes: 844, Included: 1)

Code	Name
------	------

UN	Unit
----	------

## 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

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

**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	Number of Included Segments	M	N0	1/10	Must use
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	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:

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