



**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Grocery Products Invoice Transaction Set (880) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to provide for customary and established grocery industry practice relative to billing details for finished goods in a retail or wholesale consumer market. The transaction set can be used by the supplier or broker organization to request payment from a retailer or wholesaler organization. This transaction set is to be used for standalone detail billing and cannot be used for statement billing or credit/debit adjustments.

**Heading:**

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
010	ST	Transaction Set Header	M	1	
020	G01	Invoice Identification	M	1	
060	NTE	Notes/Special Instructions	O	20	
070	G27	Carrier Detail	O	5	
080	G23	Terms of Sale	O	20	
090	G25	F.O.B. Information	O	1	
LOOP ID - N1					10
100	N1	Name	M	1	
120	N3	Additional Name Information	O	2	
130	N4	Address Information	O	2	
LOOP ID - G72					100
140	G72	Allowance or Charge	O	1	
150	G73	Allowance or Charge Description	O	10	

**Detail:**

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
LOOP ID - G17					9999
010	G17	Item Detail - Invoice	O	1	
020	G69	Line Item - Description	O	5	
030	G19	Line Item Detail - Quantity/Unit of Measure/Price Differences	O	10	
040	G20	Item Packing Detail	O	1	
LOOP ID - G72					100
070	G72	Allowance or Charge	O	1	
080	G73	Allowance or Charge Description	O	10	

**Summary:**

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max Use</u>	<u>Loop Repeat</u>
010	G31	Total Invoice Quantity	M	1	
020	G33	Total Dollars Summary	M	1	
030	SE	Transaction Set Trailer	M	1	



## Segment: ISA - Interchange Control Header

**Purpose:** To start and Identify an interchange of zero or more functional groups and interchange-related control segments.

### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u>	<u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma</u>	<u>Usage</u>
							<u>X</u>	
ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information	00	No Authorization Information Present	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</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)			M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information	00	No Security Information Present	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</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)			M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified			M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</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			M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	08	UCC EDI Communications ID (Comm ID)	M	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</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>Note: See Nash Finch EDI Information Sheet.</b>	M	AN	15/15	Must use
ISA09	I08	<b>Interchange Date</b> Date of the interchange			M	DT	6/6	Must use



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma</u> <u>x</u>	<u>Usage</u>
ISA10	I09	<b>Interchange Time</b> Time of the interchange		M	TM	4/4	Must use
ISA11	I10	<b>Interchange Control Standards Identifier</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	U U.S. EDI Community of ANSIX12, TDCC and UCS	M	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> This version number covers the interchange control segments	00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender		M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)		M	ID	1/1	Must use
ISA15	I14	<b>Usage Indicator</b> Code to indicate whether data enclosed by this interchange envelope test, production or information	P Production Data T Test Data	M	ID	1/1	Must use
ISA16	I15	<b>Component Element Separator</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		M		1/1	Must use



## Segment: **GS - Functional Group Header**

**Purpose:** To indicate the beginning of a functional group and to provide control information.

**Semantics:**

GS04 is the group date.

GS05 is the group time.

The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GS02.

**Comments:**

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.

### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets	GP Grocery Products Invoice (880)	M	ID	2/2	Must use
GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners		M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> Code identifying party receiving transmission; codes agreed to by trading partners	<b>Note: See Nash Finch EDI Information Sheet.</b>	M	AN	2/15	Must use
GS04	373	<b>Date</b> Date expressed as CCYYMMDD		M	DT	8/8	Must use
GS05	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM or HHMMSS or HHMMSSD or HHMMSSDD		M	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender		M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard	T Transportation Data Coordinating Committee (TDCC)	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> Code identifying the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 is GS segment is X, then in DE480 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 the user); if code in DE455 in GS segment is T, then other formats are allowed	004010UCS Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12	Must use



**Segment: ST - Transaction Set Header**

**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number.  
**Syntax:**  
**Semantics:**

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).

**Comments:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction set	880 Grocery Products Invoice	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	<b>The value identified in the ST02 data element must be identical to the value identified in the SE02 data element.</b>	M	AN	4/9	Must use



**Segment: G01 - Invoice Identification**

**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying dates and numbers for this transaction set  
**Syntax:**

1. If either G0106 or G0107 are present, then the others are required.

**Semantics:**

1. G0101 is the invoice issue date.
2. G0103 is the date assigned by the purchaser to the purchase order.

**Comments:**

**Notes:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G0101	373	<b>Date</b> Date expressed as CCYYMMDD	<b>Invoice Date</b>	M	DT	8/8	Must use
G0102	76	<b>Invoice Number</b> Identifying number assigned by issuer	<b>Trading Partners Invoice Number</b>	M	AN	1/22	Must use
G0103	373	<b>Date</b> Date expressed as CCYYMMDD	<b>Purchase Order Date</b>	O	DT	8/8	Must use
G0104	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	<b>Nash Finch Purchase Order Number</b>	O	AN	1/22	Must use
G0105	424	<b>Vendor Order Number</b> Number assigned by a vendor referencing a particular customer purchase order		O	AN	1/22	Used



**Segment: NTE - NOTE/SPECIAL INSTRUCTIONS**

**Position:** 060

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 20

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

**Syntax:**

**Semantics:**

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

**Notes:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NTE01	363	<b>Note Reference Code</b> Code identifying the functional area or purpose for which the note applies		O	ID	3/3	Used
NTE02	352	<b>Description</b> A free-form description to clarify the related data elements and their content		M	AN	1/80	Used



**Segment: G27 - Carrier Detail**

**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify details of the transportation equipment and carrier routing details  
**Syntax:**

1. At least one of G2704 or G2705 is required.

**Semantics:**

**Comments:**

**Notes:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2701	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment	M Motor (Common Carrier)	M	ID	1/2	Must use
G2702	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number		O	AN	1/4	Not used
G2703	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		O	AN	1/10	Not used
G2704	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code		C	ID	2/4	Not used
G2705	387	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		C	AN	1/35	Must use



**Segment: G23 - Terms of Sale**

**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify the terms of sale  
**Syntax:**

1. At least one of G2308 or G2309 is required.

**Semantics:**

**Comments:** 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.

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.

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

When elective terms are offered in a deferred or installment situation, G2316 (Installment Group Indicator - DE 713) must be used to properly group the terms within each installment.

**Notes:** 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.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2301	336	<b>Terms Type Code</b> Code identifying type of payment terms	01 Basic	M	ID	2/2	Must use
G2302	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period	3 Invoice Date	M	ID	1/2	Must use
G2303	282	<b>Terms Start Date</b> Date from which payment terms are calculated expressed in format CCYYMMDD		O	DT	8/8	Used
G2304	283	<b>Terms Due Date Qualifier</b> Code identifying the method to be used for payment in conjunction with due date		O	ID	2/2	Not used
G2305	338	<b>Terms Discount Percent</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		O	R3	1/6	Used
G2306	370	<b>Terms Discount Due Date</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD		O	DT	8/8	Used



04-26-02 - Grocery Products Invoice - 880 4010UCS

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2307	351	<b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned		O	N0	1/3	Used
G2308	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due expressed in format CCYYMMDD		C	DT	8/8	Used
G2309	386	<b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable)		C	N0	1/3	Used
G2310	362	<b>Terms Discount Amount</b> Total amount of terms discount		O	N2	1/10	Used
G2311	391	<b>Discounted Amount Due</b> Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount)		O	N2	1/10	Not used
G2312	390	<b>Amount Subject to Terms Discount</b> Amount upon which the terms discount amount is calculated		O	N2	1/10	Not used
G2313	343	<b>Installment Total Invoice Amount Due</b> Deferred or installment portion of the total invoice (including charges, less allowances) before terms discount (if discount is applicable)		O	N2	1/10	Not used
G2314	342	<b>Percent of Invoice Payable</b> Amount of invoice payable expressed in percent		O	R3	1/5	Not used
G2315	3	<b>Free Form Message</b> Free-form text		O	AN	1/60	Used



**Segment: G25 - F.O.B. Information**

**Position:** 090  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit information pertaining to method of freight payment and transfer of title  
**Syntax:**  
**Semantics:**  
**Comments:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2501	146	Shipment Method of Payment Code identifying payment terms for transportation charges	PP Prepaid (by Seller)	M	ID	2/2	Must use
			PB Customer Pickup/Backhaul				
G2502	433	F.O.B. Point Code Code identifying type of F.O.B. point	04 Point of Origin	M	ID	2/2	Must use
G2503	434	F.O.B. Point Descriptive name of F.O.B. point		O	AN	1/30	Used



**Segment: N1 - Name**

**Position:** 100  
**Loop:** N1  
**Loop Count:** 10  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code.  
**Syntax:**

1. At least one of N102 or N103 is required.
2. If either N103 or N104 are present, then the others are required.

**Semantics:**

**Comments:** 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.

N105 and N106 further define the type of entity in N101.

**Notes:** One occurrence of the N1 loop must be used to identify the party to whom the merchandise is to be shipped.

**Data Element Summary:**

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



### N3 - Address Information

**Position:** 110  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party.  
**Syntax:**  
**Semantics:**  
**Comments:**

#### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Address information	Nash Finch DC Address	M	AN	1/55	Must use



**Segment: N4 - Geographic Location**

**Position:** 130  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party.  
**Syntax:**

1. If N406 is present, then N405 is required

**Semantics:**

**Comments:** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

**Data Element Summary:**

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



**Segment: N1 - Name**

**Position:** 100  
**Loop:** N1  
**Loop Count:** 10  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code.  
**Syntax:**

1. At least one of N102 or N103 is required.
2. If either N103 or N104 are present, then the others are required.

**Semantics:**

**Comments:** 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.

N105 and N106 further define the type of entity in N101.

**Notes:** One occurrence of the N1 loop must be used to identify the party to whom the merchandise is to be shipped.

**Data Element Summary:**

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



### N3 - Address Information

**Position:** 110  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party.  
**Syntax:**  
**Semantics:**  
**Comments:**

#### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Address information	Nash Finch DC Address	M	AN	1/55	Must use



**Segment: N4 - Geographic Location**

**Position:** 130  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party.  
**Syntax:**

1. If N406 is present, then N405 is required

**Semantics:**

**Comments:** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

**Data Element Summary:**

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



**Segment: N1 - Name**

**Position:** 100  
**Loop:** N1  
**Loop Count:** 10  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code.  
**Syntax:**

1. At least one of N102 or N103 is required.
2. If either N103 or N104 are present, then the others are required.

**Semantics:**

**Comments:** 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.

N105 and N106 further define the type of entity in N101.

**Notes:** One occurrence of the N1 loop must be used to identify the party to whom the merchandise is to be shipped.

**Data Element Summary:**

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



### N3 - Address Information

**Position:** 110  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party.  
**Syntax:**  
**Semantics:**  
**Comments:**

#### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Address information	Trading Partner's Address	M	AN	1/55	Must use



**Segment: N4 - Geographic Location**

**Position:** 130  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party.  
**Syntax:**

1. If N406 is present, then N405 is required

**Semantics:**

**Comments:** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

**Data Element Summary:**

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



**Segment: G72 - Allowance or Charge**

**Position:** 140  
**Loop:** G72  
**Loop Count:** 100  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify allowances, charges, or services  
**Syntax:**

1. At least one of G7203, G7205, G7208 or G7209 is required.
2. Only one of G7205, G7208 or G7209 may be present.
3. If either G7206 or G7207 are present, then the others are required.
4. If either G7209 or G7210 are present, then the others are required.
5. If G7211 is present, then G7203 is required

**Semantics:**

1. G7209 is the allowance or charge percent.

**Comments:** The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G7201	340	<b>Allowance or Charge Code</b> Code identifying the type of allowance or charge		M	ID	1/3	Must use
G7202	331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge	02 Off Invoice	M	ID	2/2	Must use
G7203	341	<b>Allowance or Charge Number</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge		C	AN	1/16	Used
G7204	769	<b>Exception Number</b> A unique number identifying an exception or modification to an offered or existing promotion		O	AN	1/16	Not used
G7205	359	<b>Allowance or Charge Rate</b> Allowance or Charge Rate per Unit	If an Allowance, must use negative sign ( - )	C	R4	1/15	Used
G7206	339	<b>Allowance or Charge Quantity</b> Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity		C	R3	1/10	Used
G7207	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		C	ID	2/2	Used
G7208	360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge	If an Allowance, must use negative sign ( - )	C	N2	1/15	Must use
G7209	332	<b>Percent</b> Percent expressed as a percent		C	R3	1/6	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G7210	828	<b>Dollar Basis for Percent</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax		C	R2	1/9	Used

**Segment: G73 - Allowance or Charge Description**

**Position:** 150  
**Loop:** G72  
**Loop Count:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To describe the allowance or charge in free-form format  
**Syntax:**  
**Semantics:**  
**Comments:** Use of the G73 segment requires concurrent use of a corresponding allowance/charge segment.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G7301	340	<b>Free-form Description</b> Free-form descriptive text		M	AN	1/45	Must use



**Segment: G17 - Item Detail - Invoice**

**Position:** 010  
**Loop:** G17  
**Loop Count:** 9999  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions  
**Syntax:**

1. At least one of G1703 or G1714 is required.
2. At least one of G1704 or G1705 is required.
3. If either G1705 or G1706 are present, then the others are required.
4. If either G1707 or G1708 are present, then the others are required.
5. If either G1710 or G1711 are present, then the others are required.

**Semantics:**

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

**Comments:** G1702 qualifies G1701.

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

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G1701	358	<b>Quantity Invoiced</b> Number of units invoiced (supplier units)		M	R3	1/10	Must use
G1702	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	CA Case	M	ID	2/2	Must use
G1703	237	<b>Item List Cost</b> Gross unit cost within the appropriate price bracket for a line item		C	R4	1/9	Must use
G1704	438	<b>U.P.C. Case Code</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)		C	AN	12/12	Must use
G1705	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	PI Purchaser's Item Code	C	ID	2/2	Used
G1706	234	<b>Product/Service ID</b> Identifying number for a product or service	<b>Note: Nash Finch Article Number</b>	C	AN	1/48	Used
G1707	235	<b>Product/Service ID Qualifier</b>		C	ID	2/2	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
G1708	234	<b>Product/Service ID</b> Identifying number for a product or service		C	AN	1/48	Used

**Segment: G69 - Line Item Detail - Description**

**Position:** 020  
**Loop:** G17  
**Loop Count:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To describe an item in free-form format  
**Syntax:**  
**Semantics:**  
**Comments:**  
**Notes:**

**Data Element Summary:**

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



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

**Position:** 030  
**Loop:** G17  
**Loop Count:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify details when differences exist between 1) Quantities ordered/quantities shipped 2) Units of measurement 3) Pricing 4) Coupons redeemed/validated

**Syntax:**

1. If either G1901 or G1902 are present, then the others are required.
2. If either G1903 or G1904 are present, then the others are required.
3. If either G1908 or G1909 are present, then the others are required.

**Semantics:**  
**Comments:** When G1904 contains "IS", G1907, G1908, and G1909, refer to the original item ordered.  
**Notes:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G1901	382	<b>Number of Units Shipped</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		C	R0	1/10	Used
G1902	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		C	ID	2/2	Used
G1903	383	<b>Quantity Difference</b> Numeric value of variance between ordered and shipped quantities		C	R0	1/9	Used
G1904	368	<b>Shipment/Order Status Code</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		C	ID	2/2	Used
G1905	381	<b>Price Reason Code</b> Code identifying reason for differences in price or coupons redeemed		O	ID	1/1	Not used
G1906	445	<b>Terms Exception Code</b> Code specifying the type of terms exception		O	ID	2/2	Not used



04-26-02 - Grocery Products Invoice - 880 4010UCS

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G1907	438	<b>U.P.C Case Code</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)		O	AN	12/12	Not used
G1908	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	PI Purchaser's Item Code	C	ID	2/2	Used
G1909	234	<b>Product/Service ID</b> Identifying number for a product or service	<b>Note: Nash Finch Article Number</b>	C	AN	1/48	Used



### Segment: G20 - Item Packing Detail

**Position:** 040  
**Loop:** G17  
**Loop Count:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify packing details of the items shipped  
**Syntax:**

1. If either G2002 or G2003 are present, then the others are required.
2. If either G2004 or G2005 are present, then the others are required.
3. If either G2006 or G2007 are present, then the others are required.

**Semantics:**  
**Comments:**  
**Note:**

### Data Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G2001	356	<b>Pack</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container	<b>Master Pack Quantity</b>	O	N0	1/6	Used
G2002	357	<b>Size</b> Size of supplier units in pack	<b>Quantity per Master Pack</b>	C	R3	1/8	Used
G2003	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	CA Case	C	ID	2/2	Used
G2004	81	<b>Weight</b> Numeric value of weight	<b>Total item Weight</b>	C	R2	1/10	Used
G2005	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	LB Pound	C	ID	2/2	Used
G2006	183	<b>Volume</b> Value of volumetric measure	<b>Total Item Cube</b>	C	R3	1/8	Used
G2007	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	CF Cubic Feet	C	ID	2/2	Used



**Segment: G72 - Allowance or Charge**

**Position:** 070  
**Loop:** G72  
**Loop Count:** 100  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify allowances, charges, or services  
**Syntax:**

1. At least one of G7203, G7205, G7208 or G7209 is required.
2. Only one of G7205, G7208 or G7209 may be present.
3. If either G7206 or G7207 are present, then the others are required.
4. If either G7209 or G7210 are present, then the others are required.
5. If G7211 is present, then G7203 is required

**Semantics:**

1. G7209 is the allowance or charge percent.

**Comments:** The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G7201	340	<b>Allowance or Charge Code</b> Code identifying the type of allowance or charge		M	ID	1/3	Must use
G7202	331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge		M	ID	2/2	Must use
G7203	341	<b>Allowance or Charge Number</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge		C	AN	1/16	Used
G7204	769	<b>Exception Number</b> A unique number identifying an exception or modification to an offered or existing promotion		O	AN	1/16	Not used
G7205	359	<b>Allowance or Charge Rate</b> Allowance or Charge Rate per Unit	<b>If an Allowance, must use negative sign ( - )</b>	C	R4	1/15	Must use
G7206	339	<b>Allowance or Charge Quantity</b> Quantity basis when allowance or charge quantity is different from the purchase order		C	R3	1/10	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		or invoice quantity					
G7207	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		C	ID	2/2	Used
G7208	360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge		C	N2	1/15	Used
G7209	332	<b>Percent</b> Percent expressed as a percent		C	R3	1/6	Used
G7210	828	<b>Dollar Basis for Percent</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax		C	R2	1/9	Used

**Segment: G73 - Allowance or Charge Description**

**Position:** 080  
**Loop:** G72  
**Loop Count:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To describe the allowance or charge in free-form format  
**Syntax:**  
**Semantics:**  
**Comments:** Use of the G73 segment requires concurrent use of a corresponding allowance/charge segment.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G7301	340	<b>Free-form Description</b> Free-form descriptive text		M	AN	1/45	Must use



**Segment: G31 - Total Invoice Order**

**Position:** 010  
**Loop:**  
**Loop Count:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method  
**Syntax:**

1. If either G3103 or G3104 are present, then the others are required.
2. If either G3105 or G3106 are present, then the others are required.
3. 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:**

**Notes:**

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G3101	382	Number of Units Shipped	Total Invoice Item quantities	M	R0	1/10	Must use
G3102	355	Unit or Basis for Measurement Code	CA Case	M	ID	2/2	Must use
G3103	81	Weight	Total Invoice Weight	C	R2	1/10	Used
G3104	355	Unit or Basis for Measurement Code	LB Pound	C	ID	2/2	Used
G3105	183	Volume	Total Invoice Cube	C	R3	1/8	Used
G3106	355	Unit or Basis for Measurement Code	CF Cubic Feet	O	ID	2/2	Used
G3107	398	Order Sizing Factor		O	R3	1/10	Used



**Segment: G33 - Total Dollar Summary**

**Position:** 020  
**Loop:**  
**Loop Count:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the total invoice amount, including charges less allowances, before terms discount  
**Syntax:**  
**Semantics:**  
**Comments:**  
**Notes:**

**Data Element Summary:**

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



**Segment: SE - Transaction Set Trailer**

**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax:**  
**Semantics:**  
**Comments:** SE is the last segment of each transaction set.

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments		M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		M	AN	4/9	Must use



**Segment: GE - Functional Group Trailer**

**Position:** To indicate the end of a functional group and to provide control information.

**Semantics:** 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:** 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.

**Data Element Summary:**

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



**Segment: IEA - Interchange Control Trailer**

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

**Data Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Code</u> <u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange		M	N0	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> A count of the number of functional groups included in an interchange		M	N0	9/9	Must use