

880 Grocery Products Invoice

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880 Grocery Products Invoice

Functional Group=**GP**

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

The G23 segment must be used in the header area or detail area, but not both. When it is used in the detail area, there must be one occurrence of the G23 segment for each iteration of the G17 segment.

Not Defined:

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

Heading:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| 010 | ST | Transaction Set Header | M | 1 | | | Must use |
| 020 | G01 | Invoice Identification | M | 1 | | | Must use |
| 030 | N9 | Reference Identification | O | 10 | | | Used |
| 040 | G61 | Contact | O | 3 | | | Used |
| 050 | G62 | Date/Time | O | 5 | | | Used |
| 080 | G23 | Terms of Sale | O | 20 | | N1/080 | Used |
| 090 | G25 | F.O.B. Information | O | 1 | | | Used |

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

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

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

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

| <u>LOOP ID - 0100</u> | | | | | <u>10</u> | <u>N1/100L</u> | |
|-----------------------|----|---------------------|---|---|-----------|----------------|----------|
| 100 | N1 | Name | M | 1 | | N1/100 | Must use |
| 120 | N3 | Address Information | O | 2 | | | Used |

| <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> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|--------------|
| 130 | N4 | Geographic Location | O | 1 | | | 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> |
|-----------------------|-----------|---------------------------------|------------|----------------|---------------|----------------|--------------|
| LOOP ID - 0300 | | | | | 9999 | N2/010L | |
| 010 | G17 | Item Detail - Invoice | O | 1 | | N2/010 | Used |
| 020 | G69 | Line Item Detail - Description | O | 5 | | | Used |
| 050 | G23 | Terms of Sale | O | 20 | | N2/050 | Used |
| LOOP ID - 0310 | | | | | 100 | | |
| 070 | G72 | Allowance or Charge | O | 1 | | | Used |
| 080 | 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> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 010 | G31 | Total Invoice Quantity | M | 1 | | | Must use |
| 020 | G33 | Total Dollars Summary | M | 1 | | | Must use |
| 030 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Not Defined:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|--------------|
| | GE | Functional Group Trailer | M | 1 | | | Must use |
| | IEA | Interchange Control Trailer | M | 1 | | | Must use |

Notes:

- 1/080 The G23 segment can be used at the header level or detail level, but not both. When it is used at the detail level, there must be at least one occurrence of the G23 segment for each iteration of the G17 segment.
- 1/100L One occurrence of the N1 loop must be used to identify the party to whom the merchandise was shipped.
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- 2/010L Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.
- 2/010 Either the 0300 loop or the 0400 loop must be used, but both loops cannot be used within a single transaction set.
- 2/050 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.

ISA Interchange Control Header

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|---|-----------|--|------------|-------------|----------------|--------------|
| ISA01 | I01 | Authorization Information Qualifier | M | ID | 2/2 | Must use |
| <p>Description: Code to identify the type of information in the Authorization Information</p> <p>Code Name 00 No Authorization Information Present (No Meaningful Information in I02)</p> | | | | | | |
| ISA02 | I02 | Authorization Information | M | AN | 10/10 | Must use |
| <p>Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)</p> | | | | | | |
| ISA03 | I03 | Security Information Qualifier | M | ID | 2/2 | Must use |
| <p>Description: Code to identify the type of information in the Security Information</p> <p>Code Name 00 No Security Information Present (No Meaningful Information in I04)</p> | | | | | | |
| ISA04 | I04 | Security Information | M | AN | 10/10 | Must use |
| <p>Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p> | | | | | | |
| ISA05 | I05 | Interchange ID Qualifier | M | ID | 2/2 | Must use |
| <p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>Code Name 08 UCC EDI Communications ID (Comm ID)</p> | | | | | | |
| ISA06 | I06 | Interchange Sender ID | M | AN | 15/15 | Must use |
| <p>Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element</p> <p>Dot Foods: 9288030000</p> | | | | | | |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ISA07 | I05 | Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. | M | ID | 2/2 | Must use |
| ISA08 | I07 | Interchange Receiver ID Description: 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 | M | AN | 15/15 | Must use |
| ISA09 | I08 | Interchange Date Description: Date of the interchange | M | DT | 6/6 | Must use |
| ISA10 | I09 | Interchange Time Description: Time of the interchange | M | TM | 4/4 | Must use |
| ISA11 | I10 | Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. | M | ID | 1/1 | Must use |
| ISA12 | I11 | Interchange Control Version Number Description: Code specifying the version number of the interchange control segments Code Name 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 | Interchange Control Number Description: A control number assigned by the interchange sender | M | NO | 9/9 | Must use |
| ISA14 | I13 | Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested | M | ID | 1/1 | Must use |
| ISA15 | I14 | Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data | M | ID | 1/1 | Must use |

| | | | | | |
|-------|-----|------------------------------------|---|-----|----------|
| ISA16 | I15 | Component Element Separator | M | 1/1 | Must use |
|-------|-----|------------------------------------|---|-----|----------|

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

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|---|
| GS01 | 479 | Functional Identifier Code | M | ID | 2/2 | Must use |
| | | Description: Code identifying a group of application related transaction sets | | | | |
| | | Code Name | | | | |
| | | GP | | | | Grocery Products Invoice (880) |
| | | IN | | | | Invoice Information (810,819) |
| GS02 | 142 | Application Sender's Code | M | AN | 2/15 | Must use |
| | | Description: Code identifying party sending transmission; codes agreed to by trading partners | | | | |
| | | Dot Foods: 9288030000 | | | | |
| GS03 | 124 | Application Receiver's Code | M | AN | 2/15 | Must use |
| | | Description: Code identifying party receiving transmission; codes agreed to by trading partners | | | | |
| GS04 | 373 | Date | M | DT | 8/8 | Must use |
| | | Description: Date expressed as CCYYMMDD | | | | |
| GS05 | 337 | Time | M | TM | 4/8 | Must use |
| | | 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 | Group Control Number | M | N0 | 1/9 | Must use |
| | | Description: Assigned number originated and maintained by the sender | | | | |
| GS07 | 455 | Responsible Agency Code | M | ID | 1/2 | Must use |
| | | Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 | | | | |
| | | Code Name | | | | |
| | | T | | | | Transportation Data Coordinating Committee (TDCC) |

GS08 480 **Version / Release / Industry Identifier Code** M AN 1/12 Must use

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

Code Name

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

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

Comments:

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

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ST01 | 143 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |
| | | Description: Code uniquely identifying a Transaction Set | | | | |
| | | Code Name | | | | |
| | | 880 Grocery Products Invoice | | | | |
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
| | | 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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

G01 Invoice Identification

| | |
|---------------------|-------------|
| Pos: 020 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 5 |

User Option (Usage): Must use

To transmit identifying dates and numbers for this transaction set

Element Summary:

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

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 Reference Identification

| | |
|--------------------|-------------|
| Pos: 030 | Max: 10 |
| Heading - Optional | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Used

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 | | | | |
| | | Code Name | | | | |
| | | BM Bill of Lading Number | | | | |
| N902 | 127 | Reference Identification | C | AN | 1/30 | Used |
| | | 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.

This segment is used only when some unique internal number is required for tracing or problem resolution. See Section IV, Standards Conventions, for use of the N9 segment to identify associated purchase orders/invoices.

G61 Contact

| | |
|--------------------|-------------|
| Pos: 040 | Max: 3 |
| Heading - Optional | |
| Loop: N/A | Elements: 4 |

User Option (Usage): Used

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 | Contact Function Code | M | ID | 2/2 | Must use |
| | | Description: Code identifying the major duty or responsibility of the person or group named | | | | |
| | | Code Name | | | | |
| | | SA Sales Administration | | | | |
| G6102 | 93 | Name | M | AN | 1/60 | Must use |
| | | Description: Free-form name | | | | |
| G6103 | 365 | Communication Number Qualifier | C | ID | 2/2 | Used |
| | | Description: Code identifying the type of communication number | | | | |
| | | Code Name | | | | |
| | | TE Telephone | | | | |
| G6104 | 364 | Communication Number | C | AN | 1/80 | Used |
| | | Description: 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.

This segment is used only when contacts have not previously been established or a unique situation exists.

G62 Date/Time

| | |
|--------------------|-------------|
| Pos: 050 | Max: 5 |
| Heading - Optional | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Used

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 | Date Qualifier | C | ID | 2/2 | Used |
| Description: Code specifying type of date | | | | | | |
| G6201 contains code 11 (Shipped On This Date) when providing ship date. | | | | | | |
| Code Name | | | | | | |
| 11 Shipped on This Date | | | | | | |
| G6202 | 373 | Date | C | DT | 8/8 | Used |
| Description: Date expressed as CCYYMMDD | | | | | | |

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

G23 Terms of Sale

| | |
|--------------------|--------------|
| Pos: 080 | Max: 20 |
| Heading - Optional | |
| Loop: N/A | Elements: 11 |

User Option (Usage): Used

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 | Terms Type Code | M | ID | 2/2 | Must use |
| | | Description: Code identifying type of payment terms | | | | |
| | | Code Name | | | | |
| | | 01 | | Basic | | |
| G2302 | 333 | Terms Basis Date Code | M | ID | 1/2 | Must use |
| | | Description: Code identifying the beginning of the terms period | | | | |
| | | Code Name | | | | |
| | | 3 | | Invoice Date | | |
| G2303 | 282 | Terms Start Date | O | DT | 8/8 | Used |
| | | Description: Date from which payment terms are calculated expressed in format CCYYMMDD | | | | |
| G2304 | 283 | Terms Due Date Qualifier | O | ID | 2/2 | Used |
| | | Description: Code identifying the method to be used for payment in conjunction with due date | | | | |
| | | Code Name | | | | |
| | | 02 | | Received by date | | |
| G2305 | 338 | Terms Discount Percent | O | R3 | 1/6 | Used |
| | | Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | | | | |
| G2306 | 370 | Terms Discount Due Date | O | DT | 8/8 | Used |
| | | Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD | | | | |
| G2307 | 351 | Terms Discount Days Due | O | N0 | 1/3 | Used |
| | | Description: Number of days in the terms discount period by which payment is due if terms discount is earned | | | | |
| G2308 | 446 | Terms Net Due Date | C | DT | 8/8 | Used |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| | | Description: Date when total invoice amount becomes due expressed in format CCYYMMDD | | | | |
| G2309 | 386 | Terms Net Days | C | N0 | 1/3 | Used |
| | | Description: Number of days until total invoice amount is due (discount not applicable) | | | | |
| G2310 | 362 | Terms Discount Amount | O | N2 | 1/10 | Used |
| | | Description: Total amount of terms discount | | | | |
| G2311 | 391 | Discounted Amount Due | O | N2 | 1/10 | Used |
| | | Description: Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount) | | | | |

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

| | |
|--------------------|-------------|
| Pos: 090 | Max: 1 |
| Heading - Optional | |
| Loop: N/A | Elements: 3 |

User Option (Usage): Used

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 | Shipment Method of Payment | M | ID | 2/2 | Must use |
| | | Description: Code identifying payment terms for transportation charges | | | | |
| | | Code Name | | | | |
| | | PP Prepaid (by Seller) | | | | |
| G2502 | 433 | F.O.B. Point Code | M | ID | 2/2 | Must use |
| | | Description: Code identifying type of F.O.B. point | | | | |
| | | Code Name | | | | |
| | | 04 Point of Origin | | | | |
| G2503 | 434 | F.O.B. Point | O | AN | 1/30 | Used |
| | | Description: Descriptive name of F.O.B. point | | | | |

This segment is required when the transaction set is an invoice for finished goods products.

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

| | |
|--------------------|-------------|
| Pos: 120 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

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 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|--------------------|-------------|
| Pos: 130 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

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

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

| | |
|--------------------|-------------|
| Pos: 120 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

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 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|--------------------|-------------|
| Pos: 130 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

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

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

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

| | |
|--------------------|-------------|
| Pos: 120 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

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 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|--------------------|-------------|
| Pos: 130 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

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

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

| | |
|--------------------|-------------|
| Pos: 120 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

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 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|--------------------|-------------|
| Pos: 130 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

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

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

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

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.

Dot Foods:

This N1 loop will only be sent for cross-dock orders.

N3 Address Information

| | |
|--------------------|-------------|
| Pos: 120 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

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 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|--------------------|-------------|
| Pos: 130 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

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

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

G17 Item Detail - Invoice

| | |
|-------------------|--------------|
| Pos: 010 | Max: 1 |
| Detail - Optional | |
| Loop: 0300 | Elements: 10 |

User Option (Usage): Used

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 | Quantity Invoiced Description: Number of units invoiced (supplier units) | M | R3 | 1/10 | Must use |
| G1702 | 355 | Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name CA Case | M | ID | 2/2 | Must use |
| G1703 | 237 | Item List Cost Description: Gross unit cost within the appropriate price bracket for a line item | C | R4 | 1/9 | Used |
| G1704 | 438 | U.P.C. Case Code Description: 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) G1704 is used only when G1702 contains code CA | C | AN | 12/12 | Used |
| G1705 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name MG Manufacturer's Part Number | C | ID | 2/2 | Used |
| G1706 | 234 | Product/Service ID Description: Identifying number for a product or service Dot Foods: Manufacturer's item number | C | AN | 1/48 | Used |
| G1707 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | C | ID | 2/2 | Used |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| | | <u>Code</u> <u>Name</u> PI Purchaser's Item Code | | | | |
| G1708 | 234 | Product/Service ID Description: Identifying number for a product or service Dot Foods: <i>Customer's item number</i> | C | AN | 1/48 | Used |
| G1710 | 382 | Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set G1710 is used when the quantity shipped differs from the quantity invoiced in G1701. | C | R0 | 1/10 | Used |
| G1711 | 355 | Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken G1711 is used when the unit or basis for measurement code shipped, differs from the unit or basis for measurement code invoiced in G1702. G1711 code value(s): See G1702 code values <u>Code</u> <u>Name</u> CA Case EA Each | C | ID | 2/2 | Used |

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.

Effective with the UCS version coinciding with the UCC-published sunset date (2005) for the discontinuation of the 12-digit product identifiers, G1704 (U.P.C. Case Code) will be marked as not used and will be replaced with the qualifier UK (U.P.C./EAN Shipping Container Code) (1-2-5-5-1) in G1705. The corresponding 14-digit product code will be reflected in DE234. This parallels the global transition to the 14-digit UCC/EAN-14 product identification numbering structure. In preparation for this transition, the UK qualifier and the corresponding 14-digit product code should be communicated in G1705 and G1706, respectively.

G69 Line Item Detail - Description

| | |
|-------------------|-------------|
| Pos: 020 | Max: 5 |
| Detail - Optional | |
| Loop: 0300 | Elements: 1 |

User Option (Usage): Used

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

G23 Terms of Sale

| | |
|-------------------|--------------|
| Pos: 050 | Max: 20 |
| Detail - Optional | |
| Loop: 0300 | Elements: 11 |

User Option (Usage): Used

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 | Terms Type Code | M | ID | 2/2 | Must use |
| | | Description: Code identifying type of payment terms | | | | |
| | | Code Name | | | | |
| | | 01 | | Basic | | |
| G2302 | 333 | Terms Basis Date Code | M | ID | 1/2 | Must use |
| | | Description: Code identifying the beginning of the terms period | | | | |
| | | Code Name | | | | |
| | | 3 | | Invoice Date | | |
| G2303 | 282 | Terms Start Date | O | DT | 8/8 | Used |
| | | Description: Date from which payment terms are calculated expressed in format CCYYMMDD | | | | |
| G2304 | 283 | Terms Due Date Qualifier | O | ID | 2/2 | Used |
| | | Description: Code identifying the method to be used for payment in conjunction with due date | | | | |
| | | Code Name | | | | |
| | | 02 | | Received by date | | |
| G2305 | 338 | Terms Discount Percent | O | R3 | 1/6 | Used |
| | | Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | | | | |
| G2306 | 370 | Terms Discount Due Date | O | DT | 8/8 | Used |
| | | Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD | | | | |
| G2307 | 351 | Terms Discount Days Due | O | N0 | 1/3 | Used |
| | | Description: Number of days in the terms discount period by which payment is due if terms discount is earned | | | | |
| G2308 | 446 | Terms Net Due Date | C | DT | 8/8 | Used |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| | | Description: Date when total invoice amount becomes due expressed in format CCYYMMDD | | | | |
| G2309 | 386 | Terms Net Days | C | N0 | 1/3 | Used |
| | | Description: Number of days until total invoice amount is due (discount not applicable) | | | | |
| G2310 | 362 | Terms Discount Amount | O | N2 | 1/10 | Used |
| | | Description: Total amount of terms discount | | | | |
| G2311 | 391 | Discounted Amount Due | O | N2 | 1/10 | Used |
| | | Description: Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount) | | | | |

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.

G72 Allowance or Charge

| | |
|-------------------|-------------|
| Pos: 070 | Max: 1 |
| Detail - Optional | |
| Loop: 0310 | Elements: 7 |

User Option (Usage): Used

To specify allowances, charges, or services

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------------------------|----------------|--------------|
| G7201 | 340 | Allowance or Charge Code | M | ID | 1/3 | Must use |
| | | Description: Code identifying the type of allowance or charge | | | | |
| | | Code Name | | | | |
| | | 6 | | Pallet Charge | | |
| | | 51 | | Trade Discount | | |
| | | 53 | | Freight Allowance | | |
| | | 54 | | Pick-up Allowance | | |
| | | 516 | | Delivery Charge | | |
| | | 526 | | Beverage Tax | | |
| G7202 | 331 | Allowance or Charge Method of Handling Code | M | ID | 2/2 | Must use |
| | | Description: Code indicating method of handling for an allowance or charge | | | | |
| | | Code Name | | | | |
| | | 02 | | Off Invoice | | |
| | | 06 | | Charge to be Paid by Customer | | |
| G7205 | 359 | Allowance or Charge Rate | C | R4 | 1/15 | Used |
| | | Description: Allowance or Charge Rate per Unit | | | | |
| G7206 | 339 | Allowance or Charge Quantity | C | R3 | 1/10 | Used |
| | | Description: Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity | | | | |
| G7207 | 355 | Unit or Basis for Measurement Code | C | ID | 2/2 | Used |
| | | Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | |
| | | Code Name | | | | |
| | | CA | | Case | | |
| | | LB | | Pound | | |
| G7208 | 360 | Allowance or Charge Total Amount | C | N2 | 1/15 | Used |
| | | Description: Total dollar amount for the allowance or charge | | | | |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| G7209 | 332 | Percent | C | R3 | 1/6 | Used |

Description: Percent expressed as a percent

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.

G7206 and G7207 are required when G7205 is used and, G7206 and G7207 are different than item detail in G1701 and G1702.

G73 Allowance or Charge Description

| | |
|-------------------|-------------|
| Pos: 080 | Max: 10 |
| Detail - Optional | |
| Loop: 0310 | Elements: 1 |

User Option (Usage): Used

To describe the allowance or charge in free-form format

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| 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.

This segment is required when G7201 contains code 499 or 999.

G31 Total Invoice Quantity

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|---|------------|-------------|----------------|--------------|
| G3101 | 382 | Number of Units Shipped | M | R0 | 1/10 | Must use |
| <p>Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p> <p>G3101 contains the hash total of all G1701 values.</p> | | | | | | |
| G3102 | 355 | Unit or Basis for Measurement Code | M | ID | 2/2 | Must use |
| <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code Name</p> <p>UN Unit</p> <p>Total number of units (cases, pounds, etc.)</p> | | | | | | |
| G3103 | 81 | Weight | C | R2 | 1/10 | Used |
| <p>Description: Numeric value of weight</p> | | | | | | |
| G3104 | 355 | Unit or Basis for Measurement Code | C | ID | 2/2 | Used |
| <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code Name</p> <p>LB Pound</p> | | | | | | |
| G3105 | 183 | Volume | C | R3 | 1/8 | Used |
| <p>Description: Value of volumetric measure</p> | | | | | | |
| G3106 | 355 | Unit or Basis for Measurement Code | C | ID | 2/2 | Used |
| <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code Name</p> <p>CF Cubic Feet</p> | | | | | | |

Syntax Rules:

1. P0304 - If either G3103 or G3104 is present, then the other is required.
2. P0506 - If either G3105 or G3106 is present, then the other is required.

3. C0704 - If G3107 is present, then G3104 is required.

Semantics:

1. G3110 should only be used to express the quantity of third party pallets
2. G3111 is the gross weight of third party pallets in pounds.

Comments:

1. G3102 qualifies G3101.

G33 Total Dollars Summary

| | |
|---------------------|-------------|
| Pos: 020 | Max: 1 |
| Summary - Mandatory | |
| Loop: N/A | Elements: 1 |

User Option (Usage): Must use

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

Element Summary:

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

Description: Monetary amount

SE Transaction Set Trailer

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

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| SE01 | 96 | Number of Included Segments | M | NO | 1/10 | Must use |
| | | Description: 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 |
| | | Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | |

Comments:

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

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| GE01 | 97 | Number of Transaction Sets Included | M | NO | 1/6 | Must use |
| | | Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | | | | |
| GE02 | 28 | Group Control Number | M | NO | 1/9 | Must use |
| | | Description: Assigned number originated and maintained by the sender | | | | |

Semantics:

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

Comments:

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

IEA Interchange Control Trailer

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

User Option (Usage): Must use

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

Element Summary:

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

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