# 880 - Grocery Products Invoice

## Version: 004010 UCS

**Company:**          **DOT FOODS, INC.**

# 880

# Grocery Products Invoice

## Functional Group=GP

**Purpose:** 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:

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

## Heading:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|-----|-----|--------------|-----|---------|--------|-------|-------|
| 010 | ST | Transaction Set Header | M | 1 | | | Must use |
| 020 | G01 | Invoice Identification | M | 1 | | | Must use |
| 050 | G62 | Date/Time | M | 5 | | | Must use |
| 070 | G27 | Carrier Detail | M | 5 | | | Must use |
| 080 | G23 | Terms of Sale | M | 20 | | N1/080 | Must use |
| **LOOP ID - 0100** | | | | | **10** | **N1/100L** | |
| 100 | N1 | Name | M | 1 | | N1/100 | Must use |
| 100 | N1 | Name | M | 1 | | N1/100 | Must use |
| 100 | N1 | Name | M | 1 | | N1/100 | Must use |
| 100 | N1 | Name | M | 1 | | N1/100 | Must use |
| 120 | N3 | Address Information | M | 2 | | | Must use |
| 130 | N4 | Geographic Location | M | 1 | | | Must use |
| **LOOP ID - 0200** | | | | | **100** | | |
| 140 | G72 | Allowance or Charge | C | 1 | | | Used |
| 150 | G73 | Allowance or Charge Description | C | 10 | | | Used |

## Detail:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|-----|-----|--------------|-----|---------|--------|-------|-------|
| **LOOP ID - 0300** | | | | | **9999** | **N2/010L** | |
| 010 | G17 | Item Detail - Invoice | M | 1 | | N2/010 | Must use |
| 020 | G69 | Line Item Detail - Description | M | 5 | | | Must use |
| 030 | G19 | Line Item Detail - Quantity/Unit of Measure/Price Differences | C | 10 | | | Used |
| **LOOP ID - 0310** | | | | | **100** | | |
| 070 | G72 | Allowance or Charge | M | 1 | | | Must use |
| 080 | G73 | Allowance or Charge Description | M | 10 | | | Must use |

## Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|-----|-----|--------------|-----|---------|--------|-------|-------|
| 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:

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

# ISA  Interchange Control Header

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

**User Option (Usage):** Must use
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA01 | I01 | **Authorization Information Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Code to identify the type of information in the Authorization Information

**CodeList Summary** (Total Codes: 7, Included: 1)

| Code | Name |
|---|---|
| 00 | No Authorization Information Present (No Meaningful Information in I02) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA02 | I02 | **Authorization Information** | M | AN | 10/10 | Must use | 1 |

**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)

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA03 | I03 | **Security Information Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Code to identify the type of information in the Security Information

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

| Code | Name |
|---|---|
| 00 | No Security Information Present (No Meaningful Information in I04) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA04 | I04 | **Security Information** | M | AN | 10/10 | Must use | 1 |

**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)

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA05 | I05 | **Interchange ID Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA06 | I06 | **Interchange Sender ID** | M | AN | 15/15 | Must use | 1 |

**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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA07 | I05 | **Interchange ID Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

**CodeList Summary** (Total Codes: 38, Included: 1)

| Code | Name |
|---|---|
| 08 | UCC EDI Communications ID (Comm ID) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ISA08 | I07 | **Interchange Receiver ID** | M | AN | 15/15 | Must use | 1 |

**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

**Dot Foods:** *9288030000*

| ISA09 | I08 | **Interchange Date** | M | DT | 6/6 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** Date of the interchange

| ISA10 | I09 | **Interchange Time** | M | TM | 4/4 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** Time of the interchange

| ISA11 | I10 | **Interchange Control Standards Identifier** | M | ID | 1/1 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**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. (Total Codes: 1)**

| ISA12 | I11 | **Interchange Control Version Number** | M | ID | 5/5 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** Code specifying the version number of the interchange control segments

**CodeList Summary** (Total Codes: 14, Included: 1)

| <u>Code</u> | <u>Name</u> |
|---|---|
| 00401 | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 |

| ISA13 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** A control number assigned by the interchange sender

| ISA14 | I13 | **Acknowledgment Requested** | M | ID | 1/1 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** Code sent by the sender to request an interchange acknowledgment (TA1)

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

| <u>Code</u> | <u>Name</u> |
|---|---|
| 0 | No Acknowledgment Requested |

| ISA15 | I14 | **Usage Indicator** | M | ID | 1/1 | Must use | 1 |
|---|---|---|---|---|---|---|---|

**Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information

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

| <u>Code</u> | <u>Name</u> |
|---|---|
| P | Production Data |

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

**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

**User Option (Usage):** Must use
**Purpose:** To indicate the beginning of a functional group and to provide control information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS01 | 479 | **Functional Identifier Code** | M | ID | 2/2 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 240, Included: 1)

| Code | Name |
| --- | --- |
| GP | Grocery Products Invoice (880) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS02 | 142 | **Application Sender's Code** | M | AN | 2/15 | Must use | 1 |

**Description:** Code identifying party sending transmission; codes agreed to by trading partners

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS03 | 124 | **Application Receiver's Code** | M | AN | 2/15 | Must use | 1 |

**Description:** Code identifying party receiving transmission; codes agreed to by trading partners
**Dot Foods:** *9288030000*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS04 | 373 | **Date** | M | DT | 8/8 | Must use | 1 |

**Description:** Date expressed as CCYYMMDD

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS05 | 337 | **Time** | M | TM | 4/8 | Must use | 1 |

**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)

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS06 | 28 | **Group Control Number** | M | N0 | 1/9 | Must use | 1 |

**Description:** Assigned number originated and maintained by the sender

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS07 | 455 | **Responsible Agency Code** | M | ID | 1/2 | Must use | 1 |

**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

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

| Code | Name |
| --- | --- |
| T | Transportation Data Coordinating Committee (TDCC) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GS08 | 480 | **Version / Release / Industry Identifier Code** | M | AN | 1/12 | Must use | 1 |

**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

**CodeList Summary** (Total Codes: 39, Included: 1)

| Code | Name |
| --- | --- |
| 004010 | Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997 |

# ST

# Transaction Set Header

**User Option (Usage):** Must use
**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|------|------|------|------|------|------|------|
| ST01 | 143 | **Transaction Set Identifier Code** | M | ID | 3/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 298, Included: 1)

| Code | Name |
|------|------|
| 880 | Grocery Products Invoice |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|------|------|------|------|------|------|------|
| ST02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use | 1 |

**Description:** Identifying control number that
must be unique within the transaction set
functional group assigned by the originator for
a transaction set

# G01 Invoice Identification

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

**User Option (Usage):** Must use
**Purpose:** To transmit identifying dates and numbers for this transaction set

## Element Summary:

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

## Syntax Rules:

1. P0607 - If either G0106 or G0107 is present, then the other is required.

# G62     **Date/Time**

**Pos: 050**        **Max: 5**
**Heading - Mandatory**
**Loop: N/A**        **Elements: 2**

**User Option (Usage):** Must use
**Purpose:** To specify pertinent dates and times

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G6201 | 432 | **Date Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Code specifying type of date

**CodeList Summary** (Total Codes: 137, Included: 1)

| Code | Name |
|------|------|
| 11 | Shipped on This Date |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G6202 | 373 | **Date** | M | DT | 8/8 | Must use | 1 |

**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.

# G27     Carrier Detail

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

**User Option (Usage):** Must use
**Purpose:** To specify details of the transportation equipment and carrier routing details

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G2701 | 91 | **Transportation Method/Type Code** | M | ID | 1/2 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 71, Included: 2)

| Code | Name |
|------|------|
| H | Customer Pickup |
| M | Motor (Common Carrier) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G2705 | 387 | **Routing** | M | AN | 1/35 | Must use | 1 |

**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

## Syntax Rules:

1. R0405 - At least one of G2704 or G2705 is required.

# G23 Terms of Sale

**User Option (Usage):** Must use
**Purpose:** To specify the terms of sale

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2301 | 336 | **Terms Type Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 65, Included: 1)

| Code | Name |
|------|------|
| 01 | Basic |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2302 | 333 | **Terms Basis Date Code** | M | ID | 1/2 | Must use | 1 |

**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 1)

| Code | Name |
|------|------|
| 3 | Invoice Date |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2303 | 282 | **Terms Start Date** | M | DT | 8/8 | Must use | 1 |

**Description:** Date from which payment terms are calculated expressed in format CCYYMMDD

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2305 | 338 | **Terms Discount Percent** | C | R3 | 1/6 | Used | 1 |

**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
**Dot Foods:** *If applicable.*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2306 | 370 | **Terms Discount Due Date** | C | DT | 8/8 | Used | 1 |

**Description:** Date payment is due if discount is to be earned expressed in format CCYYMMDD
**Dot Foods:** *If applicable.*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2308 | 446 | **Terms Net Due Date** | M | DT | 8/8 | Must use | 1 |

**Description:** Date when total invoice amount becomes due expressed in format CCYYMMDD

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2310 | 362 | **Terms Discount Amount** | C | N2 | 1/10 | Used | 1 |

**Description:** Total amount of terms discount
**Dot Foods:** *If applicable.*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G2315 | 3 | **Free Form Message** | M | AN | 1/60 | Must use | 1 |

**Description:** Free-form text

## Syntax Rules:

1. R0809 - At least one of G2308 or G2309 is required.

# N1 Name

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

**User Option (Usage):** Must use
**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1312, Included: 1)

| Code | Name |
|------|------|
| BT | Bill-to-Party |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| N102 | 93 | **Name** | M | AN | 1/60 | Must use | 1 |

**Description:** Free-form name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| N103 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use | 1 |

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 215, Included: 1)

| Code | Name |
|------|------|
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| N104 | 67 | **Identification Code** | M | AN | 2/80 | Must use | 1 |

**Description:** Code identifying a party or other code
**Dot Foods:** *0256712560000*

## 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.

# N1    Name

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

**User Option (Usage):** Must use
**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1312, Included: 1)

| Code | Name |
|------|------|
| ST | Ship To |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N102 | 93 | **Name** | M | AN | 1/60 | Must use | 1 |

**Description:** Free-form name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N103 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use | 1 |

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 215, Included: 1)

| Code | Name |
|------|------|
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N104 | 67 | **Identification Code** | M | AN | 2/80 | Must use | 1 |

**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.

# N1 Name

**User Option (Usage):** Must use
**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|--------------|------|------|---------|---------|-----|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1312, Included: 1)

| Code | Name |
|------|------|
| SF | Ship From |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|--------------|------|------|---------|---------|-----|
| N102 | 93 | **Name** | M | AN | 1/60 | Must use | 1 |

**Description:** Free-form name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|--------------|------|------|---------|---------|-----|
| N103 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use | 1 |

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 215, Included: 1)

| Code | Name |
|------|------|
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|--------------|------|------|---------|---------|-----|
| N104 | 67 | **Identification Code** | M | AN | 2/80 | Must use | 1 |

**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.

# N1    Name

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

**User Option (Usage):** Must use
**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|-------------|-----|------|---------|--------|-----|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1312, Included: 1)

| Code | Name |
|------|------|
| RE | Party to receive commercial invoice remittance |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|-------------|-----|------|---------|--------|-----|
| N102 | 93 | **Name** | M | AN | 1/60 | Must use | 1 |

**Description:** Free-form name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|-------------|-----|------|---------|--------|-----|
| N103 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use | 1 |

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 215, Included: 1)

| Code | Name |
|------|------|
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|-------------|-----|------|---------|--------|-----|
| N104 | 67 | **Identification Code** | M | AN | 2/80 | Must use | 1 |

**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.

# N3     Address Information

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

**User Option (Usage):** Must use
**Purpose:** To specify the location of the named party

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N301 | 166 | **Address Information** | M | AN | 1/55 | Must use | 1 |

        **Description:** Address information

# N4     **Geographic Location**

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

**User Option (Usage):** Must use
**Purpose:** To specify the geographic place of the named party

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N401 | 19 | **City Name** | M | AN | 2/30 | Must use | 1 |
| | | **Description:** Free-form text for city name | | | | | |
| N402 | 156 | **State or Province Code** | M | ID | 2/2 | Must use | 1 |
| | | **Description:** Code (Standard State/Province) as defined by appropriate government agency | | | | | |
| N403 | 116 | **Postal Code** | M | ID | 3/15 | Must use | 1 |
| | | **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.

# G72    **Allowance or Charge**

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

**User Option (Usage):** Used
**Purpose:** To specify allowances, charges, or services

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| G7201 | 340 | **Allowance or Charge Code** | C | ID | 1/3 | Used | 1 |

**Description:** Code identifying the type of allowance or charge
**All valid standard codes are used. (Total Codes: 113)**

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| G7202 | 331 | **Allowance or Charge Method of Handling Code** | C | ID | 2/2 | Used | 1 |

**Description:** Code indicating method of handling for an allowance or charge

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

| Code | Name |
|---|---|
| 02 | Off Invoice |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| G7205 | 359 | **Allowance or Charge Rate** | C | R4 | 1/15 | Used | 1 |

**Description:** Allowance or Charge Rate per Unit

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| G7208 | 360 | **Allowance or Charge Total Amount** | C | N2 | 1/15 | Used | 1 |

**Description:** Total dollar amount for the allowance or charge

## Syntax Rules:

1. R03050809 - At least one of G7203, G7205, G7208 or G7209 is required.
2. E050809 - Only one of G7205, G7208 or G7209 may be present.
3. P0607 - If either G7206 or G7207 is present, then the other is required.
4. P0910 - If either G7209 or G7210 is present, then the other is required.
5. C1103 - If G7211 is present, then G7203 is required.

# G73    Allowance or Charge Description

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

**User Option (Usage):** Used
**Purpose:** To describe the allowance or charge in free-form format

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G7301 | 369 | **Free-form Description** | C | AN | 1/45 | Used | 1 |

         **Description:** Free-form descriptive text

# G17    Item Detail - Invoice

**User Option (Usage):** Must use
**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G1701 | 358 | **Quantity Invoiced** | M | R3 | 1/10 | Must use | 1 |

**Description:** Number of units invoiced (supplier units)

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G1702 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 794, Included: 3)

| Code | Name |
|------|------|
| CA | Case |
| EA | Each |
| LB | Pound |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G1703 | 237 | **Item List Cost** | M | R4 | 1/9 | Must use | 1 |

**Description:** Gross unit cost within the appropriate price bracket for a line item

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G1705 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use | 1 |

**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 477, Included: 1)

| Code | Name |
|------|------|
| UK | U.P.C./EAN Shipping Container Code (1-2-5-5-1) |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G1706 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use | 1 |

**Description:** Identifying number for a product or service
**Dot Foods:** *14 digit GTIN (SCC-14)*

## Syntax Rules:

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

# G69    Line Item Detail - Description

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

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

**Purpose:** To describe an item in free-form format

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|------|-----|----------------------|-----|------|---------|----------|-----|
| G6901 | 369 | **Free-form Description** | M | AN | 1/45 | Must use | 1 |

**Description:** Free-form descriptive text

# G19

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

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

**User Option (Usage):** Used
**Purpose:** To specify details when differences exist between 1) Quantities ordered/quantities shipped 2) Units of measurement 3) Pricing 4) Coupons redeemed/validated

## Dot Foods:

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G1901 | 382 | **Number of Units Shipped** | C | R0 | 1/10 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|-----|------|---------|-------|-----|
| G1902 | 355 | **Unit or Basis for Measurement Code** | C | ID | 2/2 | Used | 1 |

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 794, Included: 1)

| Code | Name |
|------|------|
| CA | Case |

## Syntax Rules:

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

DOT FOODS, INC.                    Supplier 880                    Page 21

# G72 Allowance or Charge

**User Option (Usage):** Must use
**Purpose:** To specify allowances, charges, or services

## Element Summary:

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

**Description:** Code identifying the type of allowance or charge
**All valid standard codes are used. (Total Codes: 113)**

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-----|-----|-----|-----|-----|-----|
| G7202 | 331 | **Allowance or Charge Method of Handling Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code indicating method of handling for an allowance or charge

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

| Code | Name |
|-----|-----|
| 02 | Off Invoice |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-----|-----|-----|-----|-----|-----|
| G7205 | 359 | **Allowance or Charge Rate** | M | R4 | 1/15 | Must use | 1 |

**Description:** Allowance or Charge Rate per Unit

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-----|-----|-----|-----|-----|-----|
| G7208 | 360 | **Allowance or Charge Total Amount** | M | N2 | 1/15 | Must use | 1 |

**Description:** Total dollar amount for the allowance or charge

## Syntax Rules:

1. R03050809 - At least one of G7203, G7205, G7208 or G7209 is required.
2. E050809 - Only one of G7205, G7208 or G7209 may be present.
3. P0607 - If either G7206 or G7207 is present, then the other is required.
4. P0910 - If either G7209 or G7210 is present, then the other is required.
5. C1103 - If G7211 is present, then G7203 is required.

# G73    **Allowance or Charge Description**

**Pos: 080**      **Max: 10**
**Detail - Mandatory**
**Loop: 0310**      **Elements: 1**

**User Option (Usage):** Must use
**Purpose:** To describe the allowance or charge in free-form format

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G7301 | 369 | **Free-form Description** | M | AN | 1/45 | Must use | 1 |

**Description:** Free-form descriptive text

# G31    Total Invoice Quantity

**User Option (Usage):** Must use
**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3101 | 382 | **Number of Units Shipped** | M | R0 | 1/10 | Must use | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3102 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 794, Included: 3)

| Code | Name |
|------|------|
| CA | Case |
| EA | Each |
| UN | Unit |

> **Dot Foods:**
> *If there is a mixture of each and case items on the invoice, please send "UN" as the total shipped quantity UOM.*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3103 | 81 | **Weight** | M | R2 | 1/10 | Must use | 1 |

**Description:** Numeric value of weight
**Dot Foods:** *Total gross weight.*

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3104 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 794, Included: 1)

| Code | Name |
|------|------|
| LB | Pound |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3105 | 183 | **Volume** | O | R3 | 1/8 | Used | 1 |

**Description:** Value of volumetric measure

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| G3106 | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Used | 1 |

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 794, Included: 1)

| Code | Name |
|------|------|
| CF | Cubic Feet |

## Syntax Rules:

1. P0304 - If either G3103 or G3104 is present, then the other is required.
2. P0506 - If either G3105 or G3106 is present, then the other is required.
3. C0704 - If G3107 is present, then G3104 is required.

# G33 **Total Dollars Summary**

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

**User Option (Usage):** Must use
**Purpose:** To specify the total invoice amount, including charges less allowances, before terms discount

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| G3301 | 610 | **Amount** | M | N2 | 1/15 | Must use | 1 |
| | | **Description:** Monetary amount | | | | | |

# SE

# Transaction Set Trailer

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

**User Option (Usage):** Must use
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| SE01 | 96 | **Number of Included Segments** | M | N0 | 1/10 | Must use | 1 |

**Description:** Total number of segments included in a transaction set including ST and SE segments

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| SE02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use | 1 |

**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

# GE     Functional Group Trailer

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

**User Option (Usage):** Must use
**Purpose:** To indicate the end of a functional group and to provide control information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| GE01 | 97 | **Number of Transaction Sets Included** | M | N0 | 1/6 | Must use | 1 |

**Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| GE02 | 28 | **Group Control Number** | M | N0 | 1/9 | Must use | 1 |

**Description:** Assigned number originated and maintained by the sender

# IEA — Interchange Control Trailer

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

**User Option (Usage):** Must use
**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| IEA01 | I16 | **Number of Included Functional Groups** | M | N0 | 1/5 | Must use | 1 |
| | | **Description:** A count of the number of functional groups included in an interchange | | | | | |
| IEA02 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use | 1 |
| | | **Description:** A control number assigned by the interchange sender | | | | | |

## EDI 880 Sample

```
ST*880*90180008~
G01*20040430*64522322*20040422*407895-001~
G62*11*20040430~
G27*H*CPU*076*CPU*CUSTOMER PICKUP-3RD PARTY~
G23*01*3***2*20040510*10*20040530*30*794*36650*39710***2% 10 NET 30~
N1*BT*DOT FOODS-MT STERLING*9*0256712560000~
N3*PO BOX 192*HWY 99 SOUTH~
N4*MT STERLING*IL~
N1*ST*DOT FOODS-MT STERLING*9*0256712560101~
N3*PO BOX 192*HWY 99 SOUTH~
N4*MT STERLING*IL~
N1*SF*MONTGOMERY FSD % UNITED FACIL*9*1234567890001~
N3*1390 ORCHARD RD~
N4*MONTGOMERY*IL*605381037~
N1*RE*ABC CO. FINANCE, INC*9*1234567890000~
N3*PO BOX 120845*DEPT. 0845~
N4*Dallas*TX*753120845~
G17*22*CA*18.05*004119606053*UI*04119606053*UP*041196060539~
G69*PRO SAUCE WHITE CLAM~
G20*12*10.5*OZ~
G72*51*02***-.67~
G73*FLOW-IN ALLOW PROMO~
G72*51*02***-.36~
G73*FLOW-IN ALLOW PROMO~
G31*22*UN*211.20*LB*4.93*CF*211.20~
G33*37444~
SE*33*90180008~
```