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Mills**

**Making Food  
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# **410 Rail Carrier Freight Details and Invoice**

**X12/V4010/410 : 410 Rail Carrier Freight Details and Invoice**

**Company:**

**General Mills**

**Modified:**

**1/11/2018**

**Notes:**

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# 410 Rail Carrier Freight Details and Invoice

Functional Group=IR

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Freight Details and Invoice Transaction Set (410) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detailed information of charges associated with a rail movement. The information is provided by a rail carrier and is sent to the freight payer.

## 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                 | B3B       | Beginning Segment for Carrier's Invoice | M          | 1              |               |              | Must use     |
| 040                 | N9        | Reference Identification                | O          | 30             |               |              | Used         |
| <b>LOOP ID - N7</b> |           |   |            |                | <b>500</b>    |              |              |
| 050                 | N7        | Equipment Details                       | M          | 1              |               |              | Must use     |
| 080                 | M7        | Seal Numbers                            | O          | 5              |               |              | Used         |
| 130                 | N8        | Waybill Reference                       | M          | 499            |               |              | Must use     |
| 140                 | F9        | Origin Station                          | M          | 1              |               |              | Must use     |
| 150                 | D9        | Destination Station                     | M          | 1              |               |              | Must use     |
| <b>LOOP ID - N1</b> |           |   |            |                | <b>10</b>     |              |              |
| 160                 | N1        | Name                                    | O          | 1              |               |              | Used         |
| 170                 | N3        | Address Information                     | O          | 2              |               |              | Used         |
| 180                 | N4        | Geographic Location                     | O          | 1              |               |              | Used         |
| 400                 | R2        | Route Information                       | O          | 13             |               |              | Used         |
| 420                 | PS        | Protective Service Instructions         | O          | 5              |               |              | Used         |
| <b>LOOP ID - LX</b> |           |   |            |                | <b>25</b>     |              |              |
| 430                 | LX        | Assigned Number                         | M          | 1              |               |              | Must use     |
| 440                 | L5        | Description, Marks and Numbers          | M          | 15             |               |              | Must use     |
| <b>LOOP ID - L0</b> |           |   |            |                | <b>25</b>     |              |              |
| 460                 | L0        | Line Item - Quantity and Weight         | M          | 1              |               |              | Must use     |
| 470                 | L1        | Rate and Charges                        | M          | 10             |               |              | Must use     |
| 480                 | PI        | Price Authority Identification          | O          | 30             |               |              | Used         |
| 540                 | L3        | Total Weight and Charges                | M          | 1              |               |              | Must use     |
| 570                 | 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     |

# ISA Interchange Control Header

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

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

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

## Element Summary:

| <u>Ref</u>  | <u>Id</u> | <u>Element Name</u>                             | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|---|-----------|---|------------|-------------|----------------|--------------|
| ISA01   | I01       | <b>Authorization Information Qualifier</b>      | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code to identify the type of information in the Authorization Information<br><b>All valid standard codes are used. (Total Codes: 7)</b>   |           |   |            |             |                |              |
| ISA02   | I02       | <b>Authorization Information</b>                | M          | AN          | 10/10          | Must use     |
| <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)   |           |   |            |             |                |              |
| ISA03   | I03       | <b>Security Information Qualifier</b>           | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code to identify the type of information in the Security Information<br><b>All valid standard codes are used. (Total Codes: 2)</b>  |           |   |            |             |                |              |
| ISA04   | I04       | <b>Security Information</b>                     | M          | AN          | 10/10          | Must use     |
| <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)   |           |   |            |             |                |              |
| ISA05   | I05       | <b>Interchange ID Qualifier</b>                 | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified<br><b>All valid standard codes are used. (Total Codes: 38)</b>   |           |   |            |             |                |              |
| ISA06   | I06       | <b>Interchange Sender ID</b>                    | M          | AN          | 15/15          | Must use     |
| <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element  |           |   |            |             |                |              |
| ISA07   | I05       | <b>Interchange ID Qualifier</b>                 | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified<br><br><b>CodeList Summary</b> (Total Codes: 38, Included: 1)<br><u>Code</u> <u>Name</u><br>08 UCC EDI Communications ID (Comm ID)                         |           |   |            |             |                |              |
| ISA08   | I07       | <b>Interchange Receiver ID</b>                  | M          | AN          | 15/15          | Must use     |
| <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them<br><br><b>General Mills Note:</b><br><i>General Mills ID = 9251190000</i> |           |   |            |             |                |              |
| ISA09   | I08       | <b>Interchange Date</b>                         | M          | DT          | 6/6            | Must use     |
| <b>Description:</b> Date of the interchange   |           |   |            |             |                |              |
| ISA10   | I09       | <b>Interchange Time</b>                         | M          | TM          | 4/4            | Must use     |
| <b>Description:</b> Time of the interchange   |           |   |            |             |                |              |
| ISA11   | I10       | <b>Interchange Control Standards Identifier</b> | M          | ID          | 1/1            | Must use     |

| <u>Ref</u>   | <u>Id</u> | <u>Element Name</u>                       | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|---|------------|-------------|----------------|--------------|
| <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer<br><b>All valid standard codes are used. (Total Codes: 1)</b>  |           |   |            |             |                |              |
| ISA12  | I11       | <b>Interchange Control Version Number</b> | M          | ID          | 5/5            | Must use     |
| <b>Description:</b> Code specifying the version number of the interchange control segments<br><b>CodeList Summary</b> (Total Codes: 14, Included: 1)<br><u>Code</u> <u>Name</u><br>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997                  |           |   |            |             |                |              |
| ISA13  | I12       | <b>Interchange Control Number</b>         | M          | N0          | 9/9            | Must use     |
| <b>Description:</b> A control number assigned by the interchange sender  |           |   |            |             |                |              |
| ISA14  | I13       | <b>Acknowledgment Requested</b>           | M          | ID          | 1/1            | Must use     |
| <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)<br><b>All valid standard codes are used. (Total Codes: 2)</b>   |           |   |            |             |                |              |
| ISA15  | I14       | <b>Usage Indicator</b>                    | M          | ID          | 1/1            | Must use     |
| <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information<br><b>CodeList Summary</b> (Total Codes: 3, Included: 1)<br><u>Code</u> <u>Name</u><br>P Production Data  |           |   |            |             |                |              |
| ISA16  | I15       | <b>Component Element Separator</b>        | M          |             | 1/1            | Must use     |
| <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator |           |   |            |             |                |              |

# GS Functional Group Header

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

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>               | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------------------|------------|-------------|----------------|--------------|
| GS01       | 479       | <b>Functional Identifier Code</b> | M          | ID          | 2/2            | Must use     |

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

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

### Code Name

IR Rail Carrier Freight Details and Invoice (410, 980)

|      |     |                                  |   |    |      |          |
|------|-----|----------------------------------|---|----|------|----------|
| GS02 | 142 | <b>Application Sender's Code</b> | M | AN | 2/15 | Must use |
|------|-----|----------------------------------|---|----|------|----------|

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

|      |     |                                    |   |    |      |          |
|------|-----|------------------------------------|---|----|------|----------|
| GS03 | 124 | <b>Application Receiver's Code</b> | M | AN | 2/15 | Must use |
|------|-----|------------------------------------|---|----|------|----------|

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

### **General Mills Note:**

*General Mills ID = 6125404455*

|      |     |             |   |    |     |          |
|------|-----|-------------|---|----|-----|----------|
| GS04 | 373 | <b>Date</b> | M | DT | 8/8 | Must use |
|------|-----|-------------|---|----|-----|----------|

**Description:** Date expressed as CCYYMMDD

|      |     |             |   |    |     |          |
|------|-----|-------------|---|----|-----|----------|
| GS05 | 337 | <b>Time</b> | 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 | <b>Group Control Number</b> | M | N0 | 1/9 | Must use |
|------|----|-----------------------------|---|----|-----|----------|

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

|      |     |                                |   |    |     |          |
|------|-----|--------------------------------|---|----|-----|----------|
| GS07 | 455 | <b>Responsible Agency Code</b> | M | ID | 1/2 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

**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

X Accredited Standards Committee X12

|      |     |   |   |    |      |          |
|------|-----|---|---|----|------|----------|
| GS08 | 480 | <b>Version / Release / Industry Identifier Code</b> | 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

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

### 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  
**Purpose:** To indicate the start of a transaction set and to assign a control number

**Element Summary:**

| <u>Ref</u>  | <u>Id</u> | <u>Element Name</u>             | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|---|-----------|---------------------------------|------------|-------------|----------------|--------------|
| ST01  | 143       | Transaction Set Identifier Code | M          | ID          | 3/3            | Must use     |
| <b>Description:</b> Code uniquely identifying a Transaction Set<br>All valid standard codes are used. (Total Codes: 298)  |           |                                 |            |             |                |              |
| ST02  | 329       | Transaction Set Control Number  | M          | AN          | 4/9            | Must use     |
| <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |           |                                 |            |             |                |              |

**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).



# B3B Beginning Segment for Carrier's Invoice

|                     |              |
|---------------------|--------------|
| Pos: 020            | Max: 1       |
| Heading - Mandatory |              |
| Loop: N/A           | Elements: 11 |

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

**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

## Element Summary:

| Ref   | Id  | Element Name                    | Req | Type | Min/Max | Usage    |
|---|-----|---------------------------------|-----|------|---------|----------|
| B3B01   | 76  | Invoice Number                  | M   | AN   | 1/22    | Must use |
| <b>Description:</b> Identifying number assigned by issuer<br><b>General Mills Note:</b> <i>Rail Carrier's Invoice Number</i>  |     |                                 |     |      |         |          |
| B3B02   | 146 | Shipment Method of Payment      | M   | ID   | 2/2     | Must use |
| <b>Description:</b> Code identifying payment terms for transportation charges<br><br><b>CodeList Summary</b> (Total Codes: 28, Included: 2)<br><u>Code</u> <u>Name</u><br>CC Collect<br><b>General Mills Note:</b><br><i>Signifies GMI InboundShipment</i><br>PP Prepaid (by Seller)<br><b>General Mills Note:</b><br><i>Signifies GMI OutboundShipment</i> |     |                                 |     |      |         |          |
| B3B03   | 373 | Date                            | M   | DT   | 8/8     | Must use |
| <b>Description:</b> Date expressed as CCYYMMDD<br><b>General Mills Note:</b> <i>Rail Carrier's Invoice Date</i>   |     |                                 |     |      |         |          |
| B3B04   | 193 | Net Amount Due                  | M   | N2   | 1/12    | Must use |
| <b>Description:</b> Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified<br><b>General Mills Note:</b> <i>Total amount of this transaction (decimal is implied/assumed). Subsequent invoices (populated B3B10) must include only new/incremental charges.</i>        |     |                                 |     |      |         |          |
| B3B05   | 373 | Date                            | O   | DT   | 8/8     | Used     |
| <b>Description:</b> Date expressed as CCYYMMDD<br><b>General Mills Note:</b> <i>Date payment is due</i>   |     |                                 |     |      |         |          |
| B3B06   | 140 | Standard Carrier Alpha Code     | M   | ID   | 2/4     | Must use |
| <b>Description:</b> Standard Carrier Alpha Code   |     |                                 |     |      |         |          |
| B3B07   | 91  | Transportation Method/Type Code | M   | ID   | 1/2     | Must use |
| <b>Description:</b> Code specifying the method or type of transportation for the shipment<br><br><b>CodeList Summary</b> (Total Codes: 71, Included: 1)<br><u>Code</u> <u>Name</u><br>R Rail  |     |                                 |     |      |         |          |
| B3B08   | 145 | Shipment Identification Number  | O   | AN   | 1/30    | Used     |
| <b>Description:</b> Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)<br><b>General Mills Note:</b> <i>General Mills Shipment Number</i>  |     |                                 |     |      |         |          |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| B3B09      | 188       | Weight Unit Code    | O          | ID          | 1/1            | Used         |

**Description:** Code specifying the weight unit

**General Mills Note:** *If no code is sent, pounds is assumed.*

**CodeList Summary** (Total Codes: 8, Included: 2)

**Code Name**

K Kilograms

L Pounds

|       |     |                      |   |    |     |      |
|-------|-----|----------------------|---|----|-----|------|
| B3B10 | 202 | Correction Indicator | O | ID | 2/2 | Used |
|-------|-----|----------------------|---|----|-----|------|

**Description:** Code used to indicate that the transaction set contains information which corrects previous information

**General Mills Note:**

*A code must be sent here to identify this as a Subsequent (to the original) Invoice.*

*GMI system reads this element as either empty (Original) or populated (Subsequent).*

*One - AND ONLY ONE - Original Invoice is processed per GMI shipment number.*

*Subsequent Invoices are processed only after an Original has posted successfully.*

*Subsequent charges are those left off of the original invoice.*

**CodeList Summary** (Total Codes: 36, Included: 1)

**Code Name**

AD Adjustment of Previous Freight Bill Charges

|       |     |               |   |    |     |      |
|-------|-----|---------------|---|----|-----|------|
| B3B11 | 100 | Currency Code | O | ID | 3/3 | Used |
|-------|-----|---------------|---|----|-----|------|

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

**General Mills Note:** *Send B3B11 element only if invoice is in Canadian Dollars (CAD or CND).*

## Semantics:

1. B3B03 is the billing date.
2. B3B05 is the payment due date.
3. B3B11 defines the currency used in the transaction.

## Comments:

1. The B3B09 default value is pounds.

# N9 Reference Identification

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 040</b>           | <b>Max: 30</b>     |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N/A</b>          | <b>Elements: 2</b> |

**User Option (Usage):** Used

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

## Element Summary:

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

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

### Code Name

BM Bill of Lading Number

|      |     |                          |   |    |      |          |
|------|-----|--------------------------|---|----|------|----------|
| N902 | 127 | Reference Identification | X | AN | 1/30 | Must use |
|------|-----|--------------------------|---|----|------|----------|

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**General Mills Note:** General Mills Shipment Number must be sent here with "BM" qualifier in the N901 element.

Invoices can not be processed without this shipment number!

## Syntax Rules:

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

## Semantics:

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

## General Mills Note:

*This is NOT an optional segment for General Mills!  
This segment is mandatory for payment processing.*

# Loop Equipment Details

|           |               |
|-----------|---------------|
| Pos: 050  | Repeat: 500   |
| Mandatory |               |
| Loop: N7  | Elements: N/A |

User Option (Usage): Must use  
Purpose: To identify the equipment

Loop Summary:

| Pos | Id | Segment Name      | Req | Max Use | Repeat | Usage    |
|-----|----|-------------------|-----|---------|--------|----------|
| 050 | N7 | Equipment Details | M   | 1       |        | Must use |
| 080 | M7 | Seal Numbers      | O   | 5       |        | Used     |

# N7 Equipment Details

|                     |             |
|---------------------|-------------|
| Pos: 050            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N7            | Elements: 6 |

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

**Purpose:** To identify the equipment

## 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> |
|---|-----------|-----------------------------------|------------|-------------|----------------|--------------|
| N701  | 206       | <b>Equipment Initial</b>          | O          | AN          | 1/4            | Must use     |
| <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number<br><b>General Mills Note:</b><br><i>Equipment <u>initial</u> from the actual trailer/unit (letters must be upper case)</i>  |           |                                   |            |             |                |              |
| N702  | 207       | <b>Equipment Number</b>           | M          | AN          | 1/10           | Must use     |
| <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br><b>General Mills Note:</b><br><i>Equipment <u>number</u> from the actual trailer/unit</i>  |           |                                   |            |             |                |              |
| N703  | 81        | <b>Weight</b>                     | X          | R           | 1/10           | Must use     |
| <b>Description:</b> Numeric value of weight<br><b>General Mills Note:</b> <i>Weight of shipment</i>   |           |                                   |            |             |                |              |
| N704  | 187       | <b>Weight Qualifier</b>           | X          | ID          | 1/2            | Must use     |
| <b>Description:</b> Code defining the type of weight<br><b>CodeList Summary</b> (Total Codes: 51, Included: 1)<br><u>Code</u> <u>Name</u><br>N Actual Net Weight  |           |                                   |            |             |                |              |
| N711  | 40        | <b>Equipment Description Code</b> | O          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code identifying type of equipment used for shipment<br><b>CodeList Summary</b> (Total Codes: 134, Included: 1)<br><u>Code</u> <u>Name</u><br>RR Rail Car   |           |                                   |            |             |                |              |
| N715  | 567       | <b>Equipment Length</b>           | O          | NO          | 4/5            | Must use     |
| <b>Description:</b> Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)<br><b>General Mills Note:</b> <i>Format: FFFII, where FFF is feet and II is inches (00 through 11)</i> |           |                                   |            |             |                |              |

## Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

## Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

## Comments:

1. N701 is mandatory for rail transactions.

2. N720 and N721 are expressed in inches.

# M7 Seal Numbers

|                    |             |
|--------------------|-------------|
| Pos: 080           | Max: 5      |
| Heading - Optional |             |
| Loop: N7           | Elements: 2 |

User Option (Usage): Used  
Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

| Ref   | Id  | Element Name | Req | Type | Min/Max | Usage |
|---|-----|--------------|-----|------|---------|-------|
| M701  | 225 | Seal Number  | M   | AN   | 2/15    | Used  |
| Description: Unique number on seal used to close a shipment |     |              |     |      |         |       |
| M702  | 225 | Seal Number  | O   | AN   | 2/15    | Used  |
| Description: Unique number on seal used to close a shipment |     |              |     |      |         |       |

Comments:

- 1. M705 indicates the name of the organization which applied the seal(s).

# N8 Waybill Reference

|                     |             |
|---------------------|-------------|
| Pos: 130            | Max: 499    |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

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

**Purpose:** To identify the waybill and to specify the equipment used and the destination details

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| N801       | 186       | Waybill Number      | M          | N0          | 1/6            | Must use     |

**Description:** Carrier accounting number of the waybill for the inbound movement

**General Mills Note:** Number used to reference a shipment between carriers

|      |     |      |   |    |     |          |
|------|-----|------|---|----|-----|----------|
| N802 | 373 | Date | M | DT | 8/8 | Must use |
|------|-----|------|---|----|-----|----------|

**Description:** Date expressed as CCYYMMDD

**General Mills Note:** Waybill date

## Syntax Rules:

1. P030405 - If either N803, N804 or N805 are present, then the others are required.
2. P0607 - If either N806 or N807 is present, then the other is required.
3. P0809 - If either N808 or N809 is present, then the other is required.
4. P1011 - If either N810 or N811 is present, then the other is required.

## Semantics:

1. N802 is the waybill date.
2. N808 is the destination station of movement.
3. N810 will contain destination railroad initial Standard Carrier Alpha Code (SCAC).
4. N811 will contain railroad destination Freight Station Accounting Code (FSAC).

## Comments:

1. Waybill type should be transmitted only when the transaction set involves a multiple Car/TOFC/COFC shipment or a conveying flat car. Waybill type should not be sent on a single Car/TOFC/COFC.
2. N807 is the waybill date.



# F9 Origin Station

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 140</b>            | <b>Max: 1</b>      |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: N/A</b>           | <b>Elements: 5</b> |

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

**Purpose:** To identify the rail origin of the shipment

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| F901       | 573       | <b>Freight Station Accounting Code</b>   | O          | ID          | 1/5            | Used         |
|            |           | <b>Description:</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)   |            |             |                |              |
| F902       | 19        | <b>City Name</b>   | M          | AN          | 2/30           | Must use     |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| F903       | 156       | <b>State or Province Code</b>  | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency   |            |             |                |              |
| F908       | 154       | <b>Standard Point Location Code</b>  | O          | ID          | 6/9            | Used         |
|            |           | <b>Description:</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city |            |             |                |              |
| F909       | 116       | <b>Postal Code</b>   | O          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)   |            |             |                |              |

## Semantics:

1. F902 is the origin station for movement.
2. F904 is the country code for the city named in the F902.
3. F905 is the freight station accounting code of the origin junction settlement carrier.
4. F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
5. F909 is the postal code for the city named in the F902.
6. F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
7. F911 is the postal code for the city named in the F906.
8. F912 is the country code for the city named in the F906.

## Comments:

1. F905 is the freight station accounting code of the city named in F906.

# D9 Destination Station

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 150</b>            | <b>Max: 1</b>      |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: N/A</b>           | <b>Elements: 5</b> |

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

**Purpose:** To identify the rail destination of the shipment

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| D901       | 573       | <b>Freight Station Accounting Code</b>   | O          | ID          | 1/5            | Used         |
|            |           | <b>Description:</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)   |            |             |                |              |
| D902       | 19        | <b>City Name</b>   | M          | AN          | 2/30           | Must use     |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| D903       | 156       | <b>State or Province Code</b>  | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency   |            |             |                |              |
| D908       | 154       | <b>Standard Point Location Code</b>  | O          | ID          | 6/9            | Used         |
|            |           | <b>Description:</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city |            |             |                |              |
| D909       | 116       | <b>Postal Code</b>   | O          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)   |            |             |                |              |

## Semantics:

1. D902 is the destination station of movement.
2. D904 is the country code for the city named in the D902.
3. D905 is the freight station accounting code of the destination junction settlement carrier.
4. D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
5. D909 is the postal code for the city names in the D902.
6. D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
7. D911 is the postal code for the city named in the D906.
8. D912 is the country code for the city named in the D906.

## Comments:

1. D905 is the freight station accounting code of the city name in D906.

Loop Name

|          |               |
|----------|---------------|
| Pos: 160 | Repeat: 10    |
| Optional |               |
| Loop: N1 | Elements: N/A |

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

Loop Summary:

| Pos | Id | Segment Name        | Req | Max Use | Repeat | Usage |
|-----|----|---------------------|-----|---------|--------|-------|
| 160 | N1 | Name                | O   | 1       |        | Used  |
| 170 | N3 | Address Information | O   | 2       |        | Used  |
| 180 | N4 | Geographic Location | O   | 1       |        | Used  |

# N1 Name

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 160</b>           | <b>Max: 1</b>      |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N1</b>           | <b>Elements: 2</b> |

**User Option (Usage):** Used

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>           | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|
| N101       | 98        | <b>Entity Identifier Code</b> | M          | ID          | 2/3            | Must use     |

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

**CodeList Summary** (Total Codes: 1312, Included: 4)

**Code Name**

CN Consignee  
 PF Party to Receive Freight Bill  
 SF Ship From  
 SH Shipper

|      |    |             |   |    |      |          |
|------|----|-------------|---|----|------|----------|
| N102 | 93 | <b>Name</b> | X | AN | 1/60 | Must use |
|------|----|-------------|---|----|------|----------|

**Description:** Free-form name

## 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: 170           | Max: 2      |
| Heading - Optional |             |
| Loop: N1           | Elements: 2 |

User Option (Usage): Used  
Purpose: To specify the location of the named party

Element Summary:

| Ref  | Id  | Element Name                     | Req | Type | Min/Max | Usage    |
|------|-----|----------------------------------|-----|------|---------|----------|
| 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: 180           | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 3 |

User Option (Usage): Used  
Purpose: To specify the geographic place of the named party

Element Summary:

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

# R2 Route Information

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 400</b>           | <b>Max: 13</b>     |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N/A</b>          | <b>Elements: 3</b> |

**User Option (Usage):** Used

**Purpose:** To specify carrier and routing sequences and details

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| R201       | 140       | <b>Standard Carrier Alpha Code</b> | M          | ID          | 2/4            | Used         |

**Description:** Standard Carrier Alpha Code

|      |     |                              |   |    |     |      |
|------|-----|------------------------------|---|----|-----|------|
| R202 | 133 | <b>Routing Sequence Code</b> | M | ID | 1/2 | Used |
|------|-----|------------------------------|---|----|-----|------|

**Description:** Code describing the relationship of a carrier to a specific shipment movement

**CodeList Summary** (Total Codes: 23, Included: 11)

| <u>Code</u> | <u>Name</u>                              |
|-------------|--|
| 1           | 1st Carrier after Origin Carrier         |
| 2           | 2nd Carrier after Origin Carrier         |
| 3           | 3rd Carrier after Origin Carrier         |
| 4           | 4th Carrier after Origin Carrier         |
| 5           | 5th Carrier after Origin Carrier         |
| 6           | 6th Carrier after Origin Carrier         |
| 7           | 7th Carrier after Origin Carrier         |
| 8           | 8th Carrier after Origin Carrier         |
| 9           | 9th Carrier after Origin Carrier         |
| A           | Origin Carrier, Agent's Routing (Rail)   |
| S           | Origin Carrier, Shipper's Routing (Rail) |

|      |    |                  |   |    |      |      |
|------|----|------------------|---|----|------|------|
| R203 | 19 | <b>City Name</b> | O | AN | 2/30 | Used |
|------|----|------------------|---|----|------|------|

**Description:** Free-form text for city name

## Syntax Rules:

1. C0807 - If R208 is present, then R207 is required.

## Semantics:

1. R203 is the station or city name at which carriers interchange shipments.
2. R210 is the billing date.

# PS Protective Service Instructions

|                    |             |
|--------------------|-------------|
| Pos: 420           | Max: 5      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify mechanical protective service and ventilation instructions

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| PS01       | 746       | <b>Protective Service Rule Code</b>  | M          | ID          | 3/9            | Used         |
|            |           | <b>Description:</b> Association of American Railroads (AAR) Protective Service that applies to shipment                            |            |             |                |              |
| PS02       | 241       | <b>Protective Service Code</b>   | M          | ID          | 1/4            | Used         |
|            |           | <b>Description:</b> Code specifying perishable protective service- rail carriers only  |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 9)</b>   |            |             |                |              |
| PS03       | 355       | <b>Unit or Basis for Measurement Code</b>  | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 794, Included: 2)  |            |             |                |              |
|            |           | <b>Code Name</b>   |            |             |                |              |
|            |           | CE Centigrade, Celsius   |            |             |                |              |
|            |           | FA Fahrenheit  |            |             |                |              |
| PS04       | 408       | <b>Temperature</b>   | X          | R           | 1/4            | Used         |
|            |           | <b>Description:</b> Temperature  |            |             |                |              |
|            |           | <b>General Mills Note:</b> <i>Optimum temperature for shipment</i>   |            |             |                |              |

## Syntax Rules:

1. L030414 - If PS03 is present, then at least one of PS04 or PS14 is required.
2. C0403 - If PS04 is present, then PS03 is required.
3. C1403 - If PS14 is present, then PS03 is required.

## Semantics:

1. PS03 qualifies the temperature in PS04 and PS14.
2. PS04 is the optimum allowable temperature condition for shipment.
3. PS11 identifies the location of the heater. A "Y" indicates the heater is ceiling-mounted; an "N" indicates the heater is in the body.
4. PS12 identifies whether or not the commodity is a food product. A "Y" indicates the commodity is a food product; an "N" indicates it is a non-food product.
5. PS13 indicates the amount of doorway space for the full width of the car. A "Y" indicates the doorway space is not less than 30 inches for the full width of the car; an "N" indicates it is less than 30 inches.
6. PS14 is the set temperature at service origin.

## Comments:

1. PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.
2. PS09 is the weight of body ice in hundreds.



# Loop Assigned Number

|           |               |
|-----------|---------------|
| Pos: 430  | Repeat: 25    |
| Mandatory |               |
| Loop: LX  | Elements: N/A |

User Option (Usage): Must use  
Purpose: To reference a line number in a transaction set

## Loop Summary:

| Pos | Id | Segment Name                   | Req | Max Use | Repeat | Usage    |
|-----|----|--------------------------------|-----|---------|--------|----------|
| 430 | LX | Assigned Number                | M   | 1       |        | Must use |
| 440 | L5 | Description, Marks and Numbers | M   | 15      |        | Must use |
| 460 |    | Loop L0                        | M   |         | 25     | Must use |

# LX Assigned Number

|                     |             |
|---------------------|-------------|
| Pos: 430            | Max: 1      |
| Heading - Mandatory |             |
| Loop: LX            | Elements: 1 |

User Option (Usage): Must use  
Purpose: To reference a line number in a transaction set

Element Summary:

| Ref   | Id  | Element Name    | Req | Type | Min/Max | Usage    |
|---|-----|-----------------|-----|------|---------|----------|
| LX01  | 554 | Assigned Number | M   | N0   | 1/6     | Must use |
| Description: Number assigned for differentiation within a transaction set |     |                 |     |      |         |          |

# L5 Description, Marks and Numbers

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 440</b>            | <b>Max: 15</b>     |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: LX</b>            | <b>Elements: 3</b> |

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

**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

## 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> |
|------------|-----------|--|--|-------------|----------------|--------------|
| L502       | 79        | <b>Lading Description</b>  | O  | AN          | 1/50           | Used         |
|            |           | <b>Description:</b> Description of an item as required for rating and billing purposes   |  |             |                |              |
| L503       | 22        | <b>Commodity Code</b>  | X  | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Code describing a commodity or group of commodities                  |  |             |                |              |
|            |           | <b>General Mills Note:</b> NMFC Code   |  |             |                |              |
| L504       | 23        | <b>Commodity Code Qualifier</b>  | X  | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the commodity coding system used for Commodity Code |  |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 23, Included: 1)                                   |  |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>                                  |             |                |              |
|            |           | N  | National Motor Freight Classification (NMFC) |             |                |              |

## Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

## Comments:

1. L502 may be used to send quantity information as part of the product description.

# Loop Line Item - Quantity and Weight

|           |               |
|-----------|---------------|
| Pos: 460  | Repeat: 25    |
| Mandatory |               |
| Loop: L0  | Elements: N/A |

**User Option (Usage):** Must use  
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

**Loop Summary:**

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>             | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------------------|------------|----------------|---------------|--------------|
| 460        | L0        | Line Item - Quantity and Weight | M          | 1              |               | Must use     |
| 470        | L1        | Rate and Charges                | M          | 10             |               | Must use     |
| 480        | PI        | Price Authority Identification  | O          | 30             |               | Used         |

# L0 Line Item - Quantity and Weight

|                     |             |
|---------------------|-------------|
| Pos: 460            | Max: 1      |
| Heading - Mandatory |             |
| Loop: L0            | Elements: 4 |

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

**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| L002       | 220       | <b>Billed/Rated-as Quantity</b>   | X          | R           | 1/11           | Used         |
|            |           | <b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 |            |             |                |              |
| L003       | 221       | <b>Billed/Rated-as Qualifier</b>  | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based                   |            |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 47, Included: 14)   |            |             |                |              |
|            |           | <b><u>Code</u> <u>Name</u></b>  |            |             |                |              |
|            |           | CF Cubic Foot   |            |             |                |              |
|            |           | DM Miles  |            |             |                |              |
|            |           | EA Each   |            |             |                |              |
|            |           | FR Flat Rate  |            |             |                |              |
|            |           | FT Foot   |            |             |                |              |
|            |           | LB Pound  |            |             |                |              |
|            |           | LC 100 Pounds   |            |             |                |              |
|            |           | MR Mileage  |            |             |                |              |
|            |           | NC Car  |            |             |                |              |
|            |           | NL Load   |            |             |                |              |
|            |           | NP Piece  |            |             |                |              |
|            |           | NU Unit   |            |             |                |              |
|            |           | <b>Description:</b> A specific measurement in rating shipments  |            |             |                |              |
|            |           | TD Days   |            |             |                |              |
|            |           | TH Hours  |            |             |                |              |
| L004       | 81        | <b>Weight</b>   | X          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of weight   |            |             |                |              |
|            |           | <b>General Mills Note:</b> Weight information is only pulled from this element if it is not present in the L002 element.        |            |             |                |              |
| L005       | 187       | <b>Weight Qualifier</b>   | X          | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code defining the type of weight  |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 51)</b>   |            |             |                |              |

## Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

## Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.

2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

**Comments:**

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

# L1 Rate and Charges

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 470</b>            | <b>Max: 10</b>     |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: L0</b>            | <b>Elements: 5</b> |

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

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

## 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> |
|------------|-----------|--|-----------------------------|-------------|----------------|--------------|
| L102       | 60        | <b>Freight Rate</b>  | X                           | R           | 1/9            | Must use     |
|            |           | <b>Description:</b> Rate that applies to the specific commodity  |                             |             |                |              |
| L103       | 122       | <b>Rate/Value Qualifier</b>  | X                           | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code qualifying how to extend charges or interpret value   |                             |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 163, Included: 8)  |                             |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>                 |             |                |              |
|            |           | FR   | Flat Rate                   |             |                |              |
|            |           | PC   | Per Car                     |             |                |              |
|            |           | PD   | Per Day                     |             |                |              |
|            |           | PF   | Per Cubic Foot              |             |                |              |
|            |           | PH   | Per Hundred (of Basic Unit) |             |                |              |
|            |           | PM   | Per Mile                    |             |                |              |
|            |           | PR   | Per Hour                    |             |                |              |
|            |           | PU   | Per Unit                    |             |                |              |
| L104       | 58        | <b>Charge</b>  | X                           | N2          | 1/12           | Must use     |
|            |           | <b>Description:</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified |                             |             |                |              |
| L108       | 150       | <b>Special Charge or Allowance Code</b>  | O                           | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code identifying type of special charge or allowance   |                             |             |                |              |
|            |           | <b>General Mills Note:</b> Linehaul is represented by an empty L108 element.<br>All other charges must be represented by one of the codes listed below.                                |                             |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 1073, Included: 4)   |                             |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>                 |             |                |              |
|            |           | DIV  | Diversion and Reconsignment |             |                |              |
|            |           | FUE  | Fuel Charge                 |             |                |              |
|            |           | SWC  | Switching Charge            |             |                |              |
|            |           | WRC  | Load Weighing Charge        |             |                |              |
| L112       | 276       | <b>Special Charge Description</b>  | O                           | AN          | 2/25           | Used         |
|            |           | <b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150  |                             |             |                |              |

## Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. R040506 - At least one of L104, L105 or L106 is required.
3. P1415 - If either L114 or L115 is present, then the other is required.
4. P1718 - If either L117 or L118 is present, then the other is required.

## Semantics:

1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.



# PI Price Authority Identification

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 480</b>           | <b>Max: 30</b>     |
| <b>Heading - Optional</b> |                    |
| <b>Loop: L0</b>           | <b>Elements: 8</b> |

**User Option (Usage):** Used

**Purpose:** To communicate basis of pricing, such as contract number, quote number, or tariff 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> |             |             |    |                 |    |                    |    |               |
|---|--------------------|------------------------------------|------------|-------------|----------------|--------------|-------------|-------------|----|-----------------|----|--------------------|----|---------------|
| PI01  | 128                | Reference Identification Qualifier | M          | ID          | 2/3            | Used         |             |             |    |                 |    |                    |    |               |
| Description: Code qualifying the Reference Identification   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| CodeList Summary (Total Codes: 1503, Included: 3)   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CT</td><td>Contract Number</td></tr><tr><td>PR</td><td>Price Quote Number</td></tr><tr><td>TS</td><td>Tariff Number</td></tr></table> |                    |                                    |            |             |                |              | <u>Code</u> | <u>Name</u> | CT | Contract Number | PR | Price Quote Number | TS | Tariff Number |
| <u>Code</u>   | <u>Name</u>        |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| CT  | Contract Number    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PR  | Price Quote Number |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| TS  | Tariff Number      |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI02  | 127                | Reference Identification           | M          | AN          | 1/30           | Used         |             |             |    |                 |    |                    |    |               |
| Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI05  | 168                | Tariff Agency Code                 | O          | ID          | 1/4            | Used         |             |             |    |                 |    |                    |    |               |
| Description: Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI06  | 965                | Issuing Carrier Identifier         | O          | AN          | 1/10           | Used         |             |             |    |                 |    |                    |    |               |
| Description: Identification assigned by issuing carrier   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI07  | 660                | Contract Suffix                    | O          | AN          | 1/2            | Used         |             |             |    |                 |    |                    |    |               |
| Description: Used to identify a type of contract  |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI08  | 169                | Tariff Item Number                 | O          | AN          | 1/16           | Used         |             |             |    |                 |    |                    |    |               |
| Description: Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI12  | 373                | Date                               | X          | DT          | 8/8            | Used         |             |             |    |                 |    |                    |    |               |
| Description: Date expressed as CCYYMMDD   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |
| PI13  | 373                | Date                               | X          | DT          | 8/8            | Used         |             |             |    |                 |    |                    |    |               |
| Description: Date expressed as CCYYMMDD   |                    |                                    |            |             |                |              |             |             |    |                 |    |                    |    |               |

## Syntax Rules:

1. C1412 - If PI14 is present, then PI12 is required.
2. C1513 - If PI15 is present, then PI13 is required.

## Semantics:

1. PI07 is the price authority suffix for the contract.
2. PI08 is the price authority item number.
3. PI09 is the price authority supplement.
4. PI10 is the price authority section number.
5. PI11 is the price authority suffix for tariff.
6. PI12 is the effective date.
7. PI13 is the expiration date.

# L3 Total Weight and Charges

|                     |             |
|---------------------|-------------|
| Pos: 540            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 1 |

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

**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| L305       | 58        | Charge              | O          | N2          | 1/12           | Used         |

**Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified

**General Mills Note:** *Total freight charges for this transaction*

## Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

## Semantics:

1. L305 is the total charges.

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 570            | Max: 1      |
| Heading - 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    |
|--|-----|--------------------------------|-----|------|---------|----------|
| SE01   | 96  | Number of Included Segments    | M   | N0   | 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

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

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

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

## Element Summary:

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

## Semantics:

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

## Comments:

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

# IEA Interchange Control Trailer

|                         |             |
|-------------------------|-------------|
| 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:**

| <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          | N0          | 1/5            | Must use     |
| Description: A count of the number of functional groups included in an interchange |           |                                      |            |             |                |              |
| IEA02  | I12       | Interchange Control Number           | M          | N0          | 9/9            | Must use     |
| Description: A control number assigned by the interchange sender                   |           |                                      |            |             |                |              |