



**General  
Mills**

**Making Food  
People Love**

## **810 Invoice**

X12/V4010/810 : 810 Invoice

**Company:**

**General Mills**

**Modified:**

**1/11/2018**

**Notes:**

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# 810 Invoice

Functional Group=**IN**

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

**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        | BIG       | Beginning Segment for Invoice | M          | 1              |               |              | Must use     |
| 030        | NTE       | Note/Special Instruction      | O          | 100            |               |              | Used         |
| 050        | REF       | Reference Identification      | O          | 12             |               |              | Used         |

| <u>LOOP ID - N1</u> |    |                     |   |   | <u>200</u> |  |      |
|---------------------|----|---------------------|---|---|------------|--|------|
| 070                 | N1 | Name                | O | 1 |            |  | Used |
| 090                 | N3 | Address Information | O | 2 |            |  | Used |
| 100                 | N4 | Geographic Location | O | 1 |            |  | Used |

**Detail:**

| <u>Pos</u>           | <u>Id</u> | <u>Segment Name</u>          | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|----------------------|-----------|------------------------------|------------|----------------|---------------|--------------|--------------|
| <u>LOOP ID - IT1</u> |           |                              |            |                | <u>200000</u> |              |              |
| 010                  | IT1       | Baseline Item Data (Invoice) | O          | 1              |               |              | Used         |

**Summary:**

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>          | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|------------------------------|------------|----------------|---------------|--------------|--------------|
| 010        | TDS       | Total Monetary Value Summary | M          | 1              |               |              | Must use     |

| <u>LOOP ID - SAC</u> |     |  |   |   | <u>25</u> |        |          |
|----------------------|-----|--|---|---|-----------|--------|----------|
| 040                  | SAC | Service, Promotion, Allowance, or Charge Information | O | 1 |           |        | Used     |
| 070                  | CTT | Transaction Totals                                   | O | 1 |           | N3/070 | Used     |
| 080                  | SE  | Transaction Set Trailer                              | M | 1 |           |        | Must use |

**Not Defined:**

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

**Notes:**

3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

# 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     |             |             |    |                                     |
| <p><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></p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA02  | I02                                 | <b>Authorization Information</b>                | M          | AN          | 10/10          | Must use     |             |             |    |                                     |
| <p><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)</p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA03  | I03                                 | <b>Security Information Qualifier</b>           | M          | ID          | 2/2            | Must use     |             |             |    |                                     |
| <p><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></p>  |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA04  | I04                                 | <b>Security Information</b>                     | M          | AN          | 10/10          | Must use     |             |             |    |                                     |
| <p><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)</p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA05  | I05                                 | <b>Interchange ID Qualifier</b>                 | M          | ID          | 2/2            | Must use     |             |             |    |                                     |
| <p><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></p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA06  | I06                                 | <b>Interchange Sender ID</b>                    | M          | AN          | 15/15          | Must use     |             |             |    |                                     |
| <p><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</p>  |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA07  | I05                                 | <b>Interchange ID Qualifier</b>                 | M          | ID          | 2/2            | Must use     |             |             |    |                                     |
| <p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>CodeList Summary</b> (Total Codes: 38, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>08</td> <td>UCC EDI Communications ID (Comm ID)</td> </tr> </tbody> </table> |                                     |   |            |             |                |              | <u>Code</u> | <u>Name</u> | 08 | UCC EDI Communications ID (Comm ID) |
| <u>Code</u>  | <u>Name</u>                         |   |            |             |                |              |             |             |    |                                     |
| 08   | UCC EDI Communications ID (Comm ID) |   |            |             |                |              |             |             |    |                                     |
| ISA08  | I07                                 | <b>Interchange Receiver ID</b>                  | M          | AN          | 15/15          | Must use     |             |             |    |                                     |
| <p><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</p> <p><b>General Mills Note:</b><br/> <i>General Mills ID = 9251190000</i></p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA09  | I08                                 | <b>Interchange Date</b>                         | M          | DT          | 6/6            | Must use     |             |             |    |                                     |
| <p><b>Description:</b> Date of the interchange</p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| ISA10  | I09                                 | <b>Interchange Time</b>                         | M          | TM          | 4/4            | Must use     |             |             |    |                                     |
| <p><b>Description:</b> Time of the interchange</p>   |                                     |   |            |             |                |              |             |             |    |                                     |
| 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
|            |           | <p><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></p>   |            |             |                |              |
| ISA12      | I11       | <b>Interchange Control Version Number</b>  | M          | ID          | 5/5            | Must use     |
|            |           | <p><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</p> |            |             |                |              |
| ISA13      | I12       | <b>Interchange Control Number</b>  | M          | N0          | 9/9            | Must use     |
|            |           | <p><b>Description:</b> A control number assigned by the interchange sender</p>   |            |             |                |              |
| ISA14      | I13       | <b>Acknowledgment Requested</b>  | M          | ID          | 1/1            | Must use     |
|            |           | <p><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></p>  |            |             |                |              |
| ISA15      | I14       | <b>Usage Indicator</b>   | M          | ID          | 1/1            | Must use     |
|            |           | <p><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</p>   |            |             |                |              |
| ISA16      | I15       | <b>Component Element Separator</b>   | M          |             | 1/1            | Must use     |
|            |           | <p><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</p>          |            |             |                |              |

# 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**

IN Invoice Information (810,819)

|      |     |                                  |   |    |      |          |
|------|-----|----------------------------------|---|----|------|----------|
| 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

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

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                    | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ST01       | 143       | <b>Transaction Set Identifier Code</b> | M          | ID          | 3/3            | Must use     |

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

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

**Code Name**

810 Invoice

|      |     |                                       |   |    |     |          |
|------|-----|---------------------------------------|---|----|-----|----------|
| ST02 | 329 | <b>Transaction Set Control Number</b> | M | AN | 4/9 | Must use |
|------|-----|---------------------------------------|---|----|-----|----------|

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

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).



# BIG Beginning Segment for Invoice

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

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

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## 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> |
|---|-----------|------------------------------|------------|-------------|----------------|--------------|
| BIG01   | 373       | <b>Date</b>                  | M          | DT          | 8/8            | Must use     |
| <b>Description:</b> Date expressed as CCYYMMDD  |           |                              |            |             |                |              |
| <b>General Mills Note:</b> <i>Invoice date</i>  |           |                              |            |             |                |              |
| BIG02   | 76        | <b>Invoice Number</b>        | M          | AN          | 1/22           | Must use     |
| <b>Description:</b> Identifying number assigned by issuer                                   |           |                              |            |             |                |              |
| BIG03   | 373       | <b>Date</b>                  | O          | DT          | 8/8            | Used         |
| <b>Description:</b> Date expressed as CCYYMMDD  |           |                              |            |             |                |              |
| <b>General Mills Note:</b> <i>Purchase order date</i>                                       |           |                              |            |             |                |              |
| BIG04   | 324       | <b>Purchase Order Number</b> | O          | AN          | 1/22           | Used         |
| <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser |           |                              |            |             |                |              |
| BIG07   | 640       | <b>Transaction Type Code</b> | O          | ID          | 2/2            | Used         |
| <b>Description:</b> Code specifying the type of transaction                                 |           |                              |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 446, Included: 1)                                     |           |                              |            |             |                |              |
| <b>Code Name</b>  |           |                              |            |             |                |              |
| AI Adjusted Invoice   |           |                              |            |             |                |              |

## Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

## Comments:

1. BIG07 is used only to further define the type of invoice when needed.

# NTE Note/Special Instruction

|                    |             |
|--------------------|-------------|
| Pos: 030           | Max: 100    |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>        | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------------|------------|-------------|----------------|--------------|
| NTE01      | 363       | <b>Note Reference Code</b> | O          | ID          | 3/3            | Used         |

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

**CodeList Summary** (Total Codes: 241, Included: 2)

**Code Name**

ALL All Documents

SCN Ocean Shipping Container Information

|       |     |                    |   |    |      |          |
|-------|-----|--------------------|---|----|------|----------|
| NTE02 | 352 | <b>Description</b> | M | AN | 1/80 | Must use |
|-------|-----|--------------------|---|----|------|----------|

**Description:** A free-form description to clarify the related data elements and their content

## Comments:

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

# REF Reference Identification

|                    |             |
|--------------------|-------------|
| Pos: 050           | Max: 12     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify identifying 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| REF01      | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 2)

**Code Name**

SI Shipper's Identifying Number for Shipment (SID)

**Description:** *A unique number (to the shipper) assigned by the shipper to identify the shipment*

VN Vendor Order Number

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| REF02 | 127 | Reference Identification | X | AN | 1/30 | Used |
|-------|-----|--------------------------|---|----|------|------|

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

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

# Loop Name

|          |               |
|----------|---------------|
| Pos: 070 | Repeat: 200   |
| Optional |               |
| Loop: N1 | Elements: N/A |

**User Option (Usage):** Used

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

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 070        | N1        | Name                | O          | 1              |               | Used         |
| 090        | N3        | Address Information | O          | 2              |               | Used         |
| 100        | N4        | Geographic Location | O          | 1              |               | Used         |

# N1 Name

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 070</b>           | <b>Max: 1</b>      |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N1</b>           | <b>Elements: 4</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: 1)

**Code Name**

ST Ship To

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

**Description:** Free-form name

|      |    |                                      |   |    |     |      |
|------|----|--------------------------------------|---|----|-----|------|
| N103 | 66 | <b>Identification Code Qualifier</b> | X | ID | 1/2 | Used |
|------|----|--------------------------------------|---|----|-----|------|

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

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

**Code Name**

91 Assigned by Seller or Seller's Agent

|      |    |                            |   |    |      |      |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | <b>Identification Code</b> | X | AN | 2/80 | Used |
|------|----|----------------------------|---|----|------|------|

**Description:** Code identifying a party or other code

## Syntax Rules:

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

## Comments:

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

# N3 Address Information

|                    |             |
|--------------------|-------------|
| Pos: 090           | Max: 2      |
| Heading - Optional |             |
| Loop: N1           | Elements: 2 |

User Option (Usage): Used

Purpose: To specify the location of the named party

### Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                     | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N301       | 166       | <b>Address Information</b>              | M          | AN          | 1/55           | Must use     |
|            |           | <b>Description:</b> Address information |            |             |                |              |
| N302       | 166       | <b>Address Information</b>              | O          | AN          | 1/55           | Used         |
|            |           | <b>Description:</b> Address information |            |             |                |              |

# N4 Geographic Location

|                    |             |
|--------------------|-------------|
| Pos: 100           | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N401       | 19        | <b>City Name</b>   | O          | AN          | 2/30           | Used         |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| N402       | 156       | <b>State or Province Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency                                 |            |             |                |              |
| N403       | 116       | <b>Postal Code</b>   | O          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |
| N404       | 26        | <b>Country Code</b>  | O          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> Code identifying the country   |            |             |                |              |

## 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.

# Loop Baseline Item Data (Invoice)

|           |                |
|-----------|----------------|
| Pos: 010  | Repeat: 200000 |
|           | Optional       |
| Loop: IT1 | Elements: N/A  |

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>          | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|------------------------------|------------|----------------|---------------|--------------|
| 010        | IT1       | Baseline Item Data (Invoice) | O          | 1              |               | Used         |



# IT1 Baseline Item Data (Invoice)

|                   |             |
|-------------------|-------------|
| Pos: 010          | Max: 1      |
| Detail - Optional |             |
| Loop: IT1         | Elements: 9 |

User Option (Usage): Used

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 |
|--|-----|------------------------------------|-----|------|---------|-------|
| IT102  | 358 | Quantity Invoiced                  | X   | R    | 1/10    | Used  |
| <p><b>Description:</b> Number of units invoiced (supplier units)</p> <p><b>General Mills Note:</b> <i>Number of cases invoiced</i></p>   |     |                                    |     |      |         |       |
| IT103  | 355 | Unit or Basis for Measurement Code | X   | ID   | 2/2     | Used  |
| <p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><b>CodeList Summary</b> (Total Codes: 794, Included: 1)</p> <p><b>Code Name</b></p> <p>CT Carton</p>  |     |                                    |     |      |         |       |
| IT104  | 212 | Unit Price                         | X   | R    | 1/17    | Used  |
| <p><b>Description:</b> Price per unit of product, service, commodity, etc.</p> <p><b>General Mills Note:</b> <i>Gross price</i></p>  |     |                                    |     |      |         |       |
| IT106  | 235 | Product/Service ID Qualifier       | X   | ID   | 2/2     | Used  |
| <p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 477, Included: 1)</p> <p><b>Code Name</b></p> <p>UA U.P.C./EAN Case Code (2-5-5)</p>   |     |                                    |     |      |         |       |
| IT107  | 234 | Product/Service ID                 | X   | AN   | 1/48    | Used  |
| <p><b>Description:</b> Identifying number for a product or service</p> <p><b>General Mills Note:</b> <i>12 digit UPC case code</i></p>   |     |                                    |     |      |         |       |
| IT108  | 235 | Product/Service ID Qualifier       | X   | ID   | 2/2     | Used  |
| <p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 477, Included: 1)</p> <p><b>Code Name</b></p> <p>PQ Product ID Attribute Code</p>  |     |                                    |     |      |         |       |
| IT109  | 234 | Product/Service ID                 | X   | AN   | 1/48    | Used  |
| <p><b>Description:</b> Identifying number for a product or service</p> <p><b>General Mills Note:</b> <i>12 digit number</i></p>  |     |                                    |     |      |         |       |
| IT110  | 235 | Product/Service ID Qualifier       | X   | ID   | 2/2     | Used  |
| <p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 477, Included: 1)</p> <p><b>Code Name</b></p> <p>HD International Harmonized Commodity Code</p> <p><b>Description:</b> <i>For customs authority purposes, the class and description of a subject part or material item per harmonized agreements on tariff commodity codes</i></p> |     |                                    |     |      |         |       |

|       |     |                           |   |    |      |      |
|-------|-----|---------------------------|---|----|------|------|
| IT111 | 234 | <b>Product/Service ID</b> | X | AN | 1/48 | Used |
|-------|-----|---------------------------|---|----|------|------|

**Description:** Identifying number for a product or service

**General Mills Note:** 12 digit number

### Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

### Semantics:

1. IT101 is the purchase order line item identification.

### Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

# TDS Total Monetary Value Summary

|                     |             |
|---------------------|-------------|
| Pos: 010            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 4 |

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

**Purpose:** To specify the total invoice discounts and amounts

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| TDS01      | 610       | <b>Amount</b>   | M          | N2          | 1/15           | Must use     |
|            |           | <b>Description:</b> Monetary amount   |            |             |                |              |
|            |           | <b>General Mills Note:</b> <i>Amount before discount</i>                    |            |             |                |              |
| TDS02      | 610       | <b>Amount</b>   | O          | N2          | 1/15           | Used         |
|            |           | <b>Description:</b> Monetary amount   |            |             |                |              |
|            |           | <b>General Mills Note:</b> <i>Amount used to calculate discount</i>         |            |             |                |              |
| TDS03      | 610       | <b>Amount</b>   | O          | N2          | 1/15           | Used         |
|            |           | <b>Description:</b> Monetary amount   |            |             |                |              |
|            |           | <b>General Mills Note:</b> <i>Amount due if paid by terms discount date</i> |            |             |                |              |
| TDS04      | 610       | <b>Amount</b>   | O          | N2          | 1/15           | Used         |
|            |           | <b>Description:</b> Monetary amount   |            |             |                |              |
|            |           | <b>General Mills Note:</b> <i>Amount of discount</i>                        |            |             |                |              |

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

## Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

# Loop Service, Promotion, Allowance, or Charge Information

|           |               |
|-----------|---------------|
| Pos: 040  | Repeat: 25    |
| Optional  |               |
| Loop: SAC | Elements: N/A |

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## 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> |
|------------|-----------|--|------------|----------------|---------------|--------------|
| 040        | SAC       | Service, Promotion, Allowance, or Charge Information | O          | 1              |               | Used         |

# SAC Service, Promotion, Allowance, or Charge Information

|                    |             |
|--------------------|-------------|
| Pos: 040           | Max: 1      |
| Summary - Optional |             |
| Loop: SAC          | Elements: 6 |

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Element Summary:

| Ref   | Id  | Element Name                  | Req | Type | Min/Max | Usage    |
|-------|-----|-------------------------------|-----|------|---------|----------|
| SAC01 | 248 | Allowance or Charge Indicator | M   | ID   | 1/1     | Must use |

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

|   |           |
|---|-----------|
| A | Allowance |
| C | Charge    |

|       |      |   |   |    |     |      |
|-------|------|---|---|----|-----|------|
| SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code | X | ID | 4/4 | Used |
|-------|------|---|---|----|-----|------|

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1053, Included: 1)

Code Name

|      |                    |
|------|--------------------|
| E065 | Invoice Adjustment |
|------|--------------------|

|       |     |        |   |    |      |      |
|-------|-----|--------|---|----|------|------|
| SAC05 | 610 | Amount | O | N2 | 1/15 | Used |
|-------|-----|--------|---|----|------|------|

Description: Monetary amount

General Mills Note: Total allowance amount

|       |     |   |   |    |     |      |
|-------|-----|---|---|----|-----|------|
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID | 2/2 | Used |
|-------|-----|---|---|----|-----|------|

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

CodeList Summary (Total Codes: 22, Included: 2)

Code Name

|    |                               |
|----|-------------------------------|
| 02 | Off Invoice                   |
| 06 | Charge to be Paid by Customer |

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| SAC13 | 127 | Reference Identification | X | AN | 1/30 | Used |
|-------|-----|--------------------------|---|----|------|------|

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

General Mills Note: 4 digit General Mills All (aii) code

|       |     |             |   |    |      |      |
|-------|-----|-------------|---|----|------|------|
| SAC15 | 352 | Description | X | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

Description: A free-form description to clarify the related data elements and their content

General Mills Note: Description of allowance

## Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# CTT Transaction Totals

|                    |             |
|--------------------|-------------|
| Pos: 070           | Max: 1      |
| Summary - Optional |             |
| Loop: N/A          | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------|------------|-------------|----------------|--------------|
| CTT01      | 354       | Number of Line Items | M          | NO          | 1/6            | Must use     |

**Description:** Total number of line items in the transaction set

**General Mills Note:** *Number of IT1 segments*

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 080            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 2 |

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

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

**Element Summary:**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| SE01       | 96        | <b>Number of Included Segments</b>  | M          | NO          | 1/10           | Must use     |
|            |           | <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments   |            |             |                |              |
| SE02       | 329       | <b>Transaction Set Control Number</b>   | M          | AN          | 4/9            | Must use     |
|            |           | <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |            |             |                |              |

**Comments:**

- 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

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