



# 856 Ship Notice/Manifest

X12/V4010/856: 856 Ship Notice/Manifest

**Company:**

**General Mills**

**Modified:**

**10/20/2022**

**Notes:**

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# 856 Ship Notice/Manifest

## Functional Group=SH

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

### 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	BSN	Beginning Segment for Ship Notice	M	1			Must use

### 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>
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
130	TD3	Carrier Details (Equipment)	O	12			Used
150	REF	Reference Identification	M	>1			Must use
200	DTM	Date/Time Reference	O	10			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
220	N1	Name	O	1			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
050	PRF	Purchase Order Reference	O	1			Must use
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Used
190	MAN	Marks and Numbers	O	>1			Must use
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Must use
030	SN1	Item Detail (Shipment)	O	1			Must use
040	SLN	Subline Item Detail	O	1000			Used
070	PID	Product/Item Description	O	200			Used
200	DTM	Date/Time Reference	O	10			Must use

### 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>
020	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

**Comments:**

2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.  
2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.  
2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.  
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2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.  
2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

# 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 <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 <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 <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 <b>All valid standard codes are used. (Total Codes: 38)</b>						
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						
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
<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 <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 <b>Code List Summary</b> (Total Codes: 14, Included: 1)						

**Code Name**

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

ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
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**Description:** Code sent by the sender to request an interchange acknowledgment (TA1)

**All valid standard codes are used. (Total Codes: 2)**

ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
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**Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information

**Code List Summary** (Total Codes: 3, Included: 2)

**Code Name**

P Production Data

T Test Data

ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
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**Description:** Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

**General Mills Note:**

*General Mills Production ID's are:*

*ISA Qualifier: 08*

*ISA: 9251190000*

# 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
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>Code List Summary</b> (Total Codes: 240, Included: 1)						
<u>Code</u> <u>Name</u>						
SH   Ship Notice/Manifest (856)						
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> 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
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> 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
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
<u>Code</u> <u>Name</u>						
X   Accredited Standards Committee X12						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</b> 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						
<b>Code List Summary</b> (Total Codes: 39, Included: 1)						
<u>Code</u> <u>Name</u>						
004010   Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997						

## General Mills Note:

General Mills production ID is:  
6125404455

ST Transaction Set Header

Pos: 010Max: 1

Heading - Mandatory

Loop: N/AElements: 2

User Option (Usage): Must use

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

Element Summary:

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



# BSN Beginning Segment for Ship Notice

<b>Pos: 020</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 transmit identifying numbers, dates, and other basic data relating to 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>
BSN01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying purpose of transaction set						
<b>Code List Summary</b> (Total Codes: 65, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
00 Original						
BSN02	396	<b>Shipment Identification</b>	M	AN	2/30	Must use
<b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment						
BSN03	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
BSN04	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23) and M = minutes (00-59)						
BSN05	1005	<b>Hierarchical Structure Code</b>	O	ID	4/4	Used
<b>Description:</b> Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set						
<b>Code List Summary</b> (Total Codes: 61, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
0001 Shipment, Order, Packaging, Item						

## Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is required.

# Loop Hierarchical Level

<b>Pos: 010</b>	<b>Repeat: 200000</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## 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	HL	Hierarchical Level	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20		Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
130	TD3	Carrier Details (Equipment)	O	12		Used
150	REF	Reference Identification	M	>1		Must use
200	DTM	Date/Time Reference	O	10		Must use
220		Loop N1	O		200	Used

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

**User Option (Usage):** Must use  
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data 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>				
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use				
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure										
<b>General Mills Note:</b> <i>The value for this level (Shipment) is 1.</i>										
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use				
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure										
<b>Code List Summary</b> (Total Codes: 170, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>S</td><td>Shipment</td></tr></table>							<u>Code</u>	<u>Name</u>	S	Shipment
<u>Code</u>	<u>Name</u>									
S	Shipment									

# TD1 Carrier Details (Quantity and Weight)

<b>Pos: 110</b>	<b>Max: 20</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To specify the transportation details relative to commodity, weight, and quantity

## 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>
TD102	80	Lading Quantity	X	N0	1/7	Used
<b>Description:</b> Number of units (pieces) of the lading commodity						
TD106	187	Weight Qualifier	O	ID	1/2	Used
<b>Description:</b> Code defining the type of weight						
<b>Code List Summary</b> (Total Codes: 51, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
G Gross Weight						
TD107	81	Weight	X	R	1/10	Used
<b>Description:</b> Numeric value of weight						
TD108	355	Unit or Basis for Measurement Code	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>Code List Summary</b> (Total Codes: 794, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
LB Pound						

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.
5. P0910 - If either TD109 or TD110 is present, then the other is required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	Identification Code Qualifier	X	ID	1/2	Used

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

**Code List Summary** (Total Codes: 215, Included: 1)

**Code Name**

2 Standard Carrier Alpha Code (SCAC)

TD503	67	Identification Code	X	AN	2/80	Used
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**Description:** Code identifying a party or other code

**General Mills Note:**

*We require carrier SCAC to be sent if you manage the freight. If customer pick up send CPU.*

TD504	91	Transportation Method/Type Code	X	ID	1/2	Used
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**Description:** Code specifying the method or type of transportation for the shipment

**Code List Summary** (Total Codes: 71, Included: 13)

**Code Name**

A	Air
C	Consolidation
D	Parcel Post
E	Expedited Truck
H	Customer Pickup
L	Contract Carrier
M	Motor (Common Carrier)
R	Rail
S	Ocean
U	Private Parcel Service
X	Intermodal (Piggyback)
LT	Less Than Trailer Load (LTL)
SR	Supplier Truck

TD505	387	Routing	X	AN	1/35	Used
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**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

## Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

# TD3 Carrier Details (Equipment)

Pos: 130	Max: 12
Detail - Optional	
Loop: HL	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify transportation details relating to the equipment used by the carrier

## 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>
TD301	40	Equipment Description Code	X	ID	2/2	Used

**Description:** Code identifying type of equipment used for shipment

**Code List Summary** (Total Codes: 134, Included: 1)

**Code** **Name**

TL Trailer (not otherwise specified)

TD302	206	Equipment Initial	O	AN	1/4	Used
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**Description:** Prefix or alphabetic part of an equipment unit's identifying number

**General Mills Note:**

*Must send 'Alpha' Portion of Equipment Unit Identifying Number if present, must send the SCAC if Alpha portion is not present. This is not required if Alpha Portion of Equipment Unit Identifying Number is not present.*

TD303	207	Equipment Number	X	AN	1/10	Used
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**Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

**General Mills Note:** 'Serial' Part of Equipment Unit Identifying Number

*We require the trailer number to be sent if you manage the freight.*

TD309	225	Seal Number	O	AN	2/15	Used
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**Description:** Unique number on seal used to close a shipment

## Syntax Rules:

1. E0110 - Only one of TD301 or TD310 may be present.
2. C0203 - If TD302 is present, then TD303 is required.
3. C0405 - If TD304 is present, then TD305 is required.
4. P0506 - If either TD305 or TD306 is present, then the other is required.

REF

Reference Identification

Pos: 150

Max: >1

Detail - Mandatory

Loop: HL

Elements: 2

User Option (Usage): Must use  
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										
Code List Summary (Total Codes: 1503, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BM</td><td>Bill of Lading Number</td></tr></table>							<u>Code</u>	<u>Name</u>	BM	Bill of Lading Number
<u>Code</u>	<u>Name</u>									
BM	Bill of Lading Number									
REF02	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										

Syntax Rules:

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

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

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

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**General Mills Note:** General Mills requires the 011 to always be sent in this segment, and the 017 to always be sent unless the TD504="H" (Customer Pickup).

If the 017 is sent it must be based on the 011 (Actual Shipped Date) plus the Transit Time.

**Code List Summary** (Total Codes: 1112, Included: 2)

**Code** **Name**

011 Shipped

017 Estimated Delivery

DTM02	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.



# Loop Name

Pos: 220	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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
220	N1	Name	O	1		Used
240	N3	Address Information	O	2		Used
250	N4	Geographic Location	O	1		Used

# N1 Name

<b>Pos: 220</b>	<b>Max: 1</b>
<b>Detail - 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
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>Code List Summary</b> (Total Codes: 1312, Included: 2)						
		<u>Code</u> <u>Name</u>				
		SF Ship From				
		ST Ship To				
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>Code List Summary</b> (Total Codes: 215, Included: 1)						
		<u>Code</u> <u>Name</u>				
		92 Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						
<b>General Mills Note:</b> Match the N104 from the 850 PO that was sent by General Mills in the N1*ST segment.						

## 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.

N3Address Information

Pos: 240Max: 2

Detail - Optional

Loop: N1Elements: 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: 250

Max: 1

Detail - Optional

Loop: N1

Elements: 4

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	Used
Description: Free-form text for city name						
N402	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						
N404	26	Country Code	O	ID	2/3	Used
Description: Code identifying the country						

Syntax Rules:

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

# Loop Hierarchical Level

<b>Pos: 010</b>	<b>Repeat: 200000</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## 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	HL	Hierarchical Level	M	1		Must use
050	PRF	Purchase Order Reference	O	1		Must use

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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>				
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use				
Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure										
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used				
Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to										
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use				
Description: Code defining the characteristic of a level in a hierarchical structure										
Code List Summary (Total Codes: 170, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>O</td><td>Order</td></tr></table>							<u>Code</u>	<u>Name</u>	O	Order
<u>Code</u>	<u>Name</u>									
O	Order									

# PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

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

**Purpose:** To provide reference to a specific purchase order

## 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>
PRF01	324	Purchase Order Number	M	AN	1/22	Must use

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

**General Mills Note:**

*This is General Mill's Purchase Order Number -- format is 8-digits (do not include the PO line number).  
Data is from the 850/860 transaction sent by General Mills -- see BEG03/BCH03.*

# Loop Hierarchical Level

<b>Pos: 010</b>	<b>Repeat: 200000</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## 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	HL	Hierarchical Level	M	1		Used
190	MAN	Marks and Numbers	O	>1		Must use



# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data 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>
HL01	628	<b>Hierarchical ID Number</b>	M	AN	1/12	Must use
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure						
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to						
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure						
<b>Code List Summary</b> (Total Codes: 170, Included: 1)						
<u>Code</u> <u>Name</u>						
T Shipping Tare						

# MAN Marks and Numbers

Pos: 190	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

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

**Purpose:** To indicate identifying marks and numbers for shipping containers

## 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>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use

**Description:** Code specifying the application or source of Marks and Numbers (87)

**Code List Summary** (Total Codes: 20, Included: 1)

### Code Name

GM SSCC-18 and Application Identifier

**Description:** This is a twenty-character SSCC-18 that includes the two digit application identifier. For example (00) 123456789987654321.

MAN02	87	Marks and Numbers	M	AN	1/48	Must use
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**Description:** Marks and numbers used to identify a shipment or parts of a shipment

## Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

## General Mills Note:

Refer to the EDI 856 ASN FAQ document for more details. [North American trading partners - General Mills](#)

# Loop Hierarchical Level

<b>Pos: 010</b>	<b>Repeat: 200000</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## 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	HL	Hierarchical Level	M	1		Must use
020	LIN	Item Identification	O	1		Must use
030	SN1	Item Detail (Shipment)	O	1		Must use
040	SLN	Subline Item Detail	O	1000		Used
070	PID	Product/Item Description	O	200		Used
200	DTM	Date/Time Reference	O	10		Must use

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data 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>				
HL01	628	<b>Hierarchical ID Number</b>	M	AN	1/12	Must use				
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure										
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used				
<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to										
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use				
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure										
<b>Code List Summary</b> (Total Codes: 170, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>I</td><td>Item</td></tr></table>							<u>Code</u>	<u>Name</u>	I	Item
<u>Code</u>	<u>Name</u>									
I	Item									

# LIN Item Identification

<b>Pos: 020</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

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

**Purpose:** To specify basic item identification 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>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use

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

**General Mills Note:** BP is required for General Mills implementation; VN is optional.

**Code List Summary** (Total Codes: 477, Included: 2)

### Code Name

BP Buyer's Part Number

VN Vendor's (Seller's) Item Number

LIN03	234	Product/Service ID	M	AN	1/48	Must use
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**Description:** Identifying number for a product or service

### **General Mills Note:**

*This is General Mill's 10-digit Material Number.*

*Data is from the 850/860 transaction sent by General Mills -- see PO107/POC09.*

*No ASN should be sent for NoMaterial Trial Orders.*

## Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

SN1Item Detail (Shipment)

Pos: 030Max: 1

Detail - Optional

Loop: HLElements: 2

User Option (Usage): Must use  
Purpose: To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	Number of Units Shipped	M	R	1/10	Must use
Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
General Mills Note: Quantity shipped must be the same unit of measure as sent by General Mills. Data is from the 850/860 transaction sent by General Mills -- see P0103/POC05.						
All valid standard codes are used. (Total Codes: 794)						

- Syntax Rules:
1. P0506 - If either SN105 or SN106 is present, then the other is required.

# SLN Subline Item Detail

<b>Pos: 040</b>	<b>Max: 1000</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 6</b>

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item 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>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Must use
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code indicating the relationship between entities				
		<b>Code List Summary</b> (Total Codes: 5, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		I	Included			
SLN04	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SLN05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
		<b>General Mills Note:</b>				
		Quantity must be the same unit of measure as sent by General Mills.				
		Data is from the 850/860 transaction sent by General Mills -- see P0103/POC05.				
SLN09	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		LT	Lot Number			
SLN10	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
		<b>General Mills Note:</b>				
		General Mills can only accept up to 20 characters.				

## Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

## General Mills Note:

*General Mills will capture lot information in this segment.*

PID

Product/Item Description

Pos: 070

Max: 200

Detail - Optional

Loop: HL

Elements: 2

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	Item Description Type	M	ID	1/1	Must use
Description: Code indicating the format of a description						
Code List Summary (Total Codes: 3, Included: 1)						
		Code	Name			
		F	Free-form			
PID05	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

- 1. C0403 - If PID04 is present, then PID03 is required.
- 2. R0405 - At least one of PID04 or PID05 is required.
- 3. C0703 - If PID07 is present, then PID03 is required.
- 4. C0804 - If PID08 is present, then PID04 is required.
- 5. C0905 - If PID09 is present, then PID05 is required.



# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

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

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1112, Included: 1)

<u>Code</u>	<u>Name</u>
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094	Manufacture
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DTM02	373	Date	X	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

## General Mills Note:

*General Mills requires this to be sent, in order for the Vendor ASN to process successfully in our General Mills systems.*

SE Transaction Set Trailer

Pos: 020

Max: 1

Summary - Mandatory

Loop: N/A

Elements: 2

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

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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						

# GE Functional Group Trailer

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

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

Element Summary:

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

# IEA Interchange Control Trailer

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

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

**Element Summary:**

<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						