



**General  
Mills**

**Making Food  
People Love**

## **856 Ship Notice/Manifest**

UCS/V4010/856: 856 Ship Notice/Manifest

**Company:**

**General Mills**

**Modified:**

**5/6/2020**

**Notes:**

**Advance Ship Notices  
include:**

**Interplant ASNs**

**-- With pallet (tare level) detail**

**-- With no pallet detail**

**ASNs from Vendors**

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# 856-U1 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><u>LOOP ID - HL</u></b>					<b><u>200000</u></b>	<b><u>C2/010L</u></b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
060	PO4	Item Physical Details	O	1			Used
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	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used
<b><u>LOOP ID - N1</u></b>					<b><u>200</u></b>		
220	N1	Name	O	1			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
<b><u>LOOP ID - HL</u></b>					<b><u>200000</u></b>		
010	HL	Hierarchical Level	M	1			Must use
050	PRF	Purchase Order Reference	O	1			Used
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
150	REF	Reference Identification	O	>1			Used
<b><u>LOOP ID - HL</u></b>					<b><u>200000</u></b>		
010	HL	Hierarchical Level	O	1			Used
190	MAN	Marks and Numbers	O	>1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
215	PAL	Pallet Information	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
190	MAN	Marks and Numbers	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
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

**Notes:**

3/010 Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

**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.

# 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>CodeList Summary</b> (Total Codes: 7, Included: 1)						
<b>Code Name</b>						
00 No Authorization Information Present (No Meaningful Information in I02)						
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>CodeList Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
00 No Security Information Present (No Meaningful Information in I04)						
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>CodeList Summary</b> (Total Codes: 38, Included: 1)						
<b>Code Name</b>						
08 UCC EDI Communications ID (Comm ID)						
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						
<b>General Mills Note:</b>						
<i>General Mills Test ID = 925119TEST</i>						
<i>General Mills Production ID = 9251190000</i>						
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						
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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> 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>CodeList Summary (Total Codes: 13, Included: 1)</b> <b>Code Name</b> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>CodeList Summary (Total Codes: 3, Included: 1)</b> <b>Code Name</b> P Production Data				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

# GS Functional Group Header

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

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

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

## Element Summary:

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

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

**CodeList Summary** (Total Codes: 225, Included: 1)

**Code Name**

SH Ship Notice/Manifest (856)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

**General Mills Note:**

*General Mills Test & Production ID = 6125404455*

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**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
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**Description:** Code used in conjunction with Data Element 480 to identify the issuer of the standard

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

**Code Name**

T Transportation Data Coordinating Committee (TDCC)

GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**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: 33, Included: 1)

**Code Name**

004010UCS

# 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	Used

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

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

**Code Name**

856 Ship Notice/Manifest

ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Used
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## General Mills Note:

See FAQ to better understand the difference between the two types of 856 transactions:

- Interplant ASNs
- ASNs from Vendors



# BSN Beginning Segment for Ship Notice

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

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

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Used

**Description:** Code identifying purpose of transaction set

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

**Code Name**

00 Original

**General Mills Note:**

*There is only one ASN sent per shipment -- no updates.*

BSN02	396	Shipment Identification	M	AN	2/30	Used
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**Description:** A unique control number assigned by the original shipper to identify a specific shipment

**General Mills Note:** *GMI Shipment Number will be sent in this element.*

**PLEASE NOTE:** *The 944 Receipt Transaction MUST be returned using the General Mills Delivery Number / Vendor PO Number, which is sent in the PRF01 element on the 856 transaction.*

BSN03	373	Date	M	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD

**General Mills Note:** *Date Transaction Set is Created (CCYYMMDD)*

BSN04	337	Time	M	TM	4/8	Used
-------	-----	------	---	----	-----	------

**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)

**General Mills Note:** *Time Transaction Set is Created*

BSN05	1005	Hierarchical Structure Code	O	ID	4/4	Used
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**Description:** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set

**General Mills Note:** *On Interplant ASNs, General Mills will send the pallet detail (tare level) if the shipping site has the capability to send the licence plate numbers to us via EDI. If they are not capable, you will receive the alternative structure (without the tare level). In both cases, you will receive the 0001 code (as that is the most common).*

**CodeList Summary** (Total Codes: 61, Included: 1)

**Code Name**

0001 Shipment, Order, Tare, Pack

## 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
060	PO4	Item Physical Details	O	1		Used
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	O	>1		Used
200	DTM	Date/Time Reference	O	10		Used
220		Loop N1	O		200	Used

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 2</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	Used

**Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

**General Mills Note:** *The value for HL01 for this level (shipment) is 1.*

HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Used
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**Description:** Code defining the characteristic of a level in a hierarchical structure

**CodeList Summary** (Total Codes: 170, Included: 1)

<u>Code</u>	<u>Name</u>
S	Shipment

# PO4 Item Physical Details

Pos: 060	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## 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>
PO408	385	Gross Volume per Pack	C	R2	1/9	Used

**Description:** Numeric value of gross volume per pack

**General Mills Note:** *Shipment Volume*

PO409	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

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

**Code Name**

CF Cubic Feet

## Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

# TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 5

**User Option (Usage):** Used

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	Packaging Code	O	AN	3/5	Used

**Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

**General Mills Note:** *General Mills sends CTN25 as the qualifier.*

**CodeList Summary** (Total Codes: 203, Included: 2)

Code	Name
25	Corrugated or Solid
CTN	Carton

TD102	80	Lading Quantity	C	N0	1/7	Used
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**Description:** Number of units (pieces) of the lading commodity

**General Mills Note:** *Total Number of Units on Shipment*

TD106	187	Weight Qualifier	O	ID	1/2	Used
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**Description:** Code defining the type of weight

**CodeList Summary** (Total Codes: 51, Included: 1)

Code	Name
G	Gross Weight

TD107	81	Weight	C	R2	1/10	Used
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**Description:** Numeric value of weight

**General Mills Note:** *Weight of Shipment*

TD108	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

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

Code	Name
LB	Pound

## 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: 6

**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
TD501	133	Routing Sequence Code	O	ID	1/2	Used

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

**CodeList Summary** (Total Codes: 23, Included: 1)

**Code Name**

B Origin/Delivery Carrier (Any Mode)

TD502	66	Identification Code Qualifier	C	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

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

**Code Name**

2 Standard Carrier Alpha Code (SCAC)

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

**General Mills Note:** *Originating carrier SCAC*

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

**CodeList Summary** (Total Codes: 71, Included: 5)

**Code Name**

H Customer Pickup

M Motor (Common Carrier)

R Rail

X Intermodal (Piggyback)

LT Less Than Trailer Load (LTL)

TD505	387	Routing	C	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

**General Mills Note:** *Originating carrier SCAC*

TD506	368	Shipment/Order Status Code	C	ID	2/2	Used
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**Description:** Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

**CodeList Summary** (Total Codes: 102, Included: 1)

**Code Name**

CC Shipment Complete on (Date)

## 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. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 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: 3

**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	C	ID	2/2	Used

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

**General Mills Note:** ASNs from Vendors will not include this element.

**CodeList Summary** (Total Codes: 134, Included: 5)

**Code Name**

FF	Frozen Food Trailer
RR	Rail Car
RT	Controlled Temperature Trailer (Reefer)
TF	Trailer, Dry Freight
TW	Trailer, Refrigerated

**Description:** A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature

TD302	206	Equipment Initial	O	AN	1/4	Used
-------	-----	-------------------	---	----	-----	------

**Description:** Prefix or alphabetic part of an equipment unit's identifying number

**General Mills Note:** Alpha Part of Equipment Unit Identifying Number -- the carrier of execution.

TD303	207	Equipment Number	C	AN	1/10	Used
-------	-----	------------------	---	----	------	------

**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

## 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.

## General Mills Note:

Vendor ASNs may receive "Unknown" for TD303 when TD302 = CPU (we don't expect vendors to send information on something they are not managing).



# REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	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	Used

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 3)

**Code Name**

BM Bill of Lading Number

**General Mills Note:**

*ASNs from Vendors: BOL number from the vendor is from their BOL (not General Mill's number in BSN02).*

CN Carrier's Reference Number (PRO/Invoice)

**General Mills Note:**

*ASNs from Vendors will not include this qualifier.*

SN Seal Number

**General Mills Note:**

*If available from the source.*

REF02	127	Reference Identification	C	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

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

## Syntax Rules:

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

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

**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	Used

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

**CodeList Summary** (Total Codes: 1112, Included: 2)

**Code Name**

- 011 Shipped
- 067 Current Schedule Delivery

DTM02	373	Date	C	DT	8/8	Used
-------	-----	------	---	----	-----	------

**Description:** Date expressed as CCYYMMDD

DTM03	337	Time	C	TM	4/8	Used
-------	-----	------	---	----	-----	------

**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)

## 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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	Used

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

**CodeList Summary** (Total Codes: 1312, Included: 3)

**Code Name**

DE Depositor  
 SF Ship From  
 ST Ship To

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

**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	C	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**

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

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

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

**General Mills Note:** *Number qualified in N101 & N103*

## 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.

## General Mills Note:

*ASNs from Vendors will not include DE qualifier.*

# N3 Address Information

Pos: 240	Max: 2
Detail - 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	Used
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

<b>Pos: 250</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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.

# 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		Used
110	TD1	Carrier Details (Quantity and Weight)	O	20		Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
150	REF	Reference Identification	O	>1		Used

# 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	Used

**Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

**General Mills Note:** Identifies the occurrence of the HL segment within the transaction set. Unique number starting with 1 for the first HL segment & incremented by one for every HL segment throughout transaction.

HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
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**Description:** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

**General Mills Note:** Identifies the Hierarchical ID of the HL segment to which it is subordinate to (child of)

HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Used
------	-----	--------------------------------	---	----	-----	------

**Description:** Code defining the characteristic of a level in a hierarchical structure

**CodeList Summary** (Total Codes: 170, Included: 1)

**Code Name**

O Order



# PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**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	<b>Purchase Order Number</b>	M	AN	1/22	Used
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
<b>General Mills Note:</b>						
<i>Interplant ASNs show General Mills Delivery Number(s).</i>						
<i>ASNs from Vendors show the vendor PO number.</i>						
PRF04	373	<b>Date</b>	O	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						

# TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	Packaging Code	O	AN	3/5	Used

**Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

**General Mills Note:** *General Mills sends CTN25 as the qualifier.*

**CodeList Summary** (Total Codes: 203, Included: 2)

Code	Name
25	Corrugated or Solid
CTN	Carton

TD102	80	Lading Quantity	C	N0	1/7	Used
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**Description:** Number of units (pieces) of the lading commodity

**General Mills Note:** *Total Number of Units in Order*

## 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.

## General Mills Note:

*ASNs from Vendors will not include this segment..*

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the carrier and sequence of routing and provide transit time 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>
TD506	368	Shipment/Order Status Code	C	ID	2/2	Used

**Description:** Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

**CodeList Summary** (Total Codes: 102, Included: 1)

**Code Name**

CC Shipment Complete on (Date)

## 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. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 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.

## General Mills Note:

*ASNs from Vendors will not include this segment..*

# REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

**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: 1)

**Code Name**

PRT Product Type

**General Mills Note:**

*Sent when the order contains Hub & Spoke items.*

REF02	127	Reference Identification	C	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

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

**General Mills Note:** *X = order contains Hub & Spoke items*

REF03	352	Description	C	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

## Syntax Rules:

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

**General Mills Note:**

*ASNs from Vendors will not include this segment..*

# Loop Hierarchical Level

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

**User Option (Usage):** Used

**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	O	1		Used
190	MAN	Marks and Numbers	O	>1		Used
215	PAL	Pallet Information	O	1		Used

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Optional</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	Used

**Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

**General Mills Note:** Identifies the occurrence of the HL segment within the transaction set. Unique number starting with 1 for the first HL segment & incremented by one for every HL segment throughout transaction.

HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
------	-----	--------------------------------------	---	----	------	------

**Description:** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

**General Mills Note:** Identifies the Hierarchical ID of the HL segment to which it is subordinate to (child of)

HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Used
------	-----	--------------------------------	---	----	-----	------

**Description:** Code defining the characteristic of a level in a hierarchical structure

**CodeList Summary** (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):** Used

**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	<b>Marks and Numbers Qualifier</b>	M	ID	1/2	Used

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

**CodeList Summary** (Total Codes: 20, Included: 1)

**Code Name**

GM SSCC-18 and Application Identifier

MAN02	87	<b>Marks and Numbers</b>	M	AN	1/48	Used
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**Description:** Marks and numbers used to identify a shipment or parts of a shipment

**General Mills Note:** *The UCC128 Pallet Tag ID is populated in this element.*

## 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.

# PAL Pallet Information

Pos: 215	Max: 1
Detail - Optional	
Loop: HL	Elements: 11

**User Option (Usage):** Used

**Purpose:** To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

## 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>
PAL01	883	<b>Pallet Type Code</b>	O	ID	1/2	Used

**Description:** Code indicating the type of pallet

**CodeList Summary** (Total Codes: 17, Included: 2)

Code Name

- 6 Wood
- 7 Slip Sheet

**Description:** Typically cardboard or plastic sheets used to hold product for storage or transportation

PAL02	884	<b>Pallet Tiers</b>	O	N0	1/3	Used
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**Description:** The number of layers per pallet

**General Mills Note:** Layers per Pallet

PAL03	885	<b>Pallet Blocks</b>	O	N0	1/3	Used
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**Description:** The number of pieces (cartons) per layer on the pallet

**General Mills Note:** Cases per Layer

PAL04	356	<b>Pack</b>	O	N0	1/6	Used
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**Description:** The number of inner containers, or number of eaches if there are no inner containers, per outer container

**General Mills Note:** Cases per Pallet

PAL09	65	<b>Height</b>	C	R2	1/8	Used
-------	----	---------------	---	----	-----	------

**Description:** Vertical dimension of an object measured when the object is in the upright position

**General Mills Note:** Height of Pallet

PAL10	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

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

Code Name

- IN Inch

PAL11	384	<b>Gross Weight per Pack</b>	C	R2	1/9	Used
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**Description:** Numeric value of gross weight per pack

**General Mills Note:** Weight of Pallet

PAL12	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

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

Code Name



**Code Name**

LB Pound

PAL13 385 **Gross Volume per Pack** C R2 1/9 Used

**Description:** Numeric value of gross volume per pack

**General Mills Note:** *Volume of Pallet*

PAL14 355 **Unit or Basis for Measurement Code** C ID 2/2 Used

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

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

**Code Name**

CF Cubic Feet

PAL15 399 **Pallet Exchange Code** O ID 1/1 Used

**Description:** Code specifying pallet exchange instructions

**CodeList Summary** (Total Codes: 5, Included: 3)

**Code Name**

- 1 No Exchange/No Return
- 2 Exchange Pallets
- 5 Third-Party Pallet Exchange

**Description:** *A pallet exchange program where a third party rents pallets for internal or external use*

**General Mills Note:**

*Sent Only if shipped on CHEP pallets (5=CHPE pallets).*

**Syntax Rules:**

1. P0506 - If either PAL05 or PAL06 is present, then the other is required.
2. C0710 - If PAL07 is present, then PAL10 is required.
3. C0810 - If PAL08 is present, then PAL10 is required.
4. C0910 - If PAL09 is present, then PAL10 is required.
5. L10070809 - If PAL10 is present, then at least one of PAL07, PAL08 or PAL09 is required.
6. P1112 - If either PAL11 or PAL12 is present, then the other is required.
7. P1314 - If either PAL13 or PAL14 is present, then the other is required.

**General Mills Note:**

*ASNs from Vendors will not include this segment..*

# 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		Used
030	SN1	Item Detail (Shipment)	O	1		Used
190	MAN	Marks and Numbers	O	>1		Used
200	DTM	Date/Time Reference	O	10		Used

# 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	Used

**Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

**General Mills Note:** Identifies the occurrence of the HL segment within the transaction set. Unique number starting with 1 for the first HL segment & incremented by one for every HL segment throughout transaction.

HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
------	-----	--------------------------------------	---	----	------	------

**Description:** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

**General Mills Note:** Identifies the Hierarchical ID of the HL segment to which it is subordinate to (child of)

HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Used
------	-----	--------------------------------	---	----	-----	------

**Description:** Code defining the characteristic of a level in a hierarchical structure

**CodeList Summary** (Total Codes: 170, Included: 1)

**Code Name**

P Pack

# LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 6

**User Option (Usage):** Used

**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	Used

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

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

**Code Name**

VN Vendor's (Seller's) Item Number

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

**General Mills Note:** Contains General Mills internal material code.

LIN04	235	Product/Service ID Qualifier	C	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

**Code Name**

LT Lot Number

LIN05	234	Product/Service ID	C	AN	1/48	Used
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**Description:** Identifying number for a product or service

**General Mills Note:**

If moving finished goods / semi-finished goods, this uses General Mills Lot Code format.  
If moving raw materials, this is populated with the vendor's lot code.

LIN08	235	Product/Service ID Qualifier	C	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

**Code Name**

UA U.P.C./EAN Case Code (2-5-5)

LIN09	234	Product/Service ID	C	AN	1/48	Used
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**Description:** Identifying number for a product or service

**General Mills Note:** Contains the UPC 12 Digit Case Code.

## 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.

**General Mills Note:**

*ASNs from Vendors will not include LIN08 nor LIN09 elements.*

# SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify line-item detail relative to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R0	1/10	Used

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

**General Mills Note:** Total Cases (or Pallets) for GMI semi/fini shipments. Or total Units for GMI raw materials.

SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**General Mills Note:** These codes represent the most commonly used Base Unit Of Measurement Codes within GMI. A more comprehensive list may be needed for your operations.

**CodeList Summary** (Total Codes: 794, Included: 4)

<u>Code</u>	<u>Name</u>
CA	Case
EA	Each
LB	Pound
PL	Pallet/Unit Load

## Syntax Rules:

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

# MAN Marks and Numbers

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

**User Option (Usage):** Used

**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	Used
		<b>Description:</b> Code specifying the application or source of Marks and Numbers (87)				
		<b>CodeList Summary</b> (Total Codes: 20, Included: 1)				
		<b>Code</b>		<b>Name</b>		
		UC		U.P.C. Shipping Container Code		
MAN02	87	Marks and Numbers	M	AN	1/48	Used

**Description:** Marks and numbers used to identify a shipment or parts of a shipment

**General Mills Note:** *UPC Ship Container Code (Interleaved 2 of 5)*

## 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:

*ASNs from Vendors will not include this segment.*

# DTM Date/Time Reference

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

**User Option (Usage):** Used

**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	Used

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

**CodeList Summary** (Total Codes: 1112, Included: 2)

**Code Name**

036 Expiration

**Description:** *Date coverage expires*

405 Production

**Description:** *Used to identify dates and times that operations or processes were performed*

DTM02	373	Date	C	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:

*Date associated with the lot. For use within your WMS to track age.*



# CTT Transaction Totals

Pos: 010	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	Used

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

**General Mills Note:** CTT01 contains the number of HL segments present in the transaction set.

## 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.

# SE Transaction Set Trailer

<b>Pos:</b> 020	<b>Max:</b> 1
<b>Summary - Mandatory</b>	
<b>Loop:</b> N/A	<b>Elements:</b> 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	N0	1/10	Used
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments						
<b>General Mills Note:</b> <i>Number of Segments (including ST and SE)</i>						
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Used
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						
<b>General Mills Note:</b> <i>Marks the end of the Transaction (same as ST02)</i>						

# 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

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

**General Mills Note:** *The count of ST segments within the group.*

GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

**General Mills Note:** *This must be the same number as is in the GS segment (GS06) for the group.*

# 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						
<b>General Mills Note:</b> <i>IEA01 contains the count of GS segments within the transmission.</i>						
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						
<b>General Mills Note:</b> <i>IEA02 must be the same number as in the ISA segment (ISA13) for the transmission.</i>						