



**General  
Mills**

**Making Food  
People Love**

## **888 Item Maintenance**

**UCS/V4030/888: 888 Item Maintenance**

**Company:**

**General Mills**

**Modified:**

**5/4/2022**

**Notes:**

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# 888

## Item Maintenance

Functional Group=QG

**Purpose:** This Draft Standard for Trial Use provides the format and establishes the data contents of the Item Maintenance Transaction Set (888) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set is used to enable a manufacturer, supplier, broker, or agent to provide detailed finished goods product information to a partner in a consumer goods market. This transaction set can be used to provide information about new products or changes in existing product specifications. Price changes will not be sent with this transaction set, but can be sent with the Price Change Transaction Set (879).

### 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>
0100	ST	Transaction Set Header	M	1			Must use
<b>LOOP ID - 0100</b>					<b>≥1</b>		
0200	N1	Name	M	1			Must use
0860	G62	Date/Time	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 - 0300</b>					<b>≥1</b>		
0100	G53	Maintenance Type	M	1			Must use
<b>LOOP ID - 0310</b>					<b>≥1</b>		
0350	LX	Assigned Number	M	1			Must use
0400	G39	Item Characteristics - Vendor's Selling Unit	O	1			Used
0500	G69	Line Item Detail - Description	O	5			Used
0560	LIN	Item Identification	O	1			Used
0570	PID	Product/Item Description	O	200			Used
0580	PKG	Marking, Packaging, Loading	O	25			Used
1530	MEA	Measurements	O	10			Used
1540	TD1	Carrier Details (Quantity and Weight)	O	1			Used
<b>LOOP ID - 0311</b>					<b>≥1</b>		
1560	N1	Name	O	1			Used
1600	PAL	Pallet Information	O	>1			Used
2000	SE	Transaction Set Trailer	M	1			Must use

### Not Defined:

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

# ISA Interchange Control Header

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

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information						
<b>Code List 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>Code List 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>Code List 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						
<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

<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	I65	<b>Repetition Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator				
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: 17, Included: 1)				
		<b>Code</b> <b>Name</b>				
		00403 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999				
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>Code List Summary</b> (Total Codes: 3, Included: 1)				
		<b>Code</b> <b>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
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>Code List Summary</b> (Total Codes: 261, Included: 1)						
<b>Code Name</b>						
QG Product Information (878, 879, 888, 889, 896)						
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						
<b>General Mills Note:</b>						
<i>General Mills Test &amp; Production ID = 6125404455</i>						
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 used in conjunction with Data Element 480 to identify the issuer of the standard						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
T Transportation Data Coordinating Committee (TDCC)						
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: 33, Included: 1)						
<b>Code Name</b>						
004030UCS						

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use				
<b>Description:</b> Code uniquely identifying a Transaction Set										
<b>Code List Summary</b> (Total Codes: 314, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>888</td><td>Item Maintenance</td></tr></table>							<u>Code</u>	<u>Name</u>	888	Item Maintenance
<u>Code</u>	<u>Name</u>									
888	Item Maintenance									
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use				
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set										

# Loop Name

Pos: 0200	Repeat: >1
Mandatory	
Loop: 0100	Elements: N/A

User Option (Usage): Must use  
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>
0200	N1	Name	M	1		Must use



# N1 Name

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

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

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

## Element Summary:

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

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

**Code List Summary** (Total Codes: 1446, Included: 2)

### Code Name

VN Vendor

#### **General Mills Note:**

*Used to identify party maintaining the material - General Mills*

WH Warehouse

#### **General Mills Note:**

*Used to identify party receiving the 888 transaction*

N102	93	Name	C	AN	1/60	Used
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**Description:** Free-form name

N103	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)

**Code List Summary** (Total Codes: 223, Included: 2)

### Code Name

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

93 Code assigned by the organization originating the transaction set

#### **General Mills Note:**

*When N101 = WH, we will send the 10-digit (including preceding 0's) location number assigned to the partner.*

N104	67	Identification Code	C	AN	2/80	Used
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**Description:** Code identifying a party or other code

## Syntax Rules:

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

# G62 Date/Time

Pos: 0860	Max: 1
Heading - Mandatory	
Loop: N/A	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>
G6201	432	Date Qualifier	C	ID	2/2	Used
Description: Code specifying type of date						
Code List Summary (Total Codes: 138, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		09	Process Date			
		General Mills Note:				
		The date the file was generated.				
G6202	373	Date	C	DT	8/8	Used
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						

Syntax Rules:

- 1. R0103 - At least one of G6201 or G6203 is required.
- 2. P0102 - If either G6201 or G6202 is present, then the other is required.
- 3. P0304 - If either G6203 or G6204 is present, then the other is required.

# Loop Maintenance Type

Pos: 0100	Repeat: >1
Mandatory	
Loop: 0300	Elements: N/A

User Option (Usage): Must use  
Purpose: To identify the specific type of item maintenance

## Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	G53	Maintenance Type	M	1		Must use
0350		Loop 0310	M		>1	Must use

# G53 Maintenance Type

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: 0300	Elements: 1

User Option (Usage): Must use  
Purpose: To identify the specific type of item maintenance

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5301	875	Maintenance Type Code	M	ID	3/3	Must use
Description: Code identifying the specific type of item maintenance						
General Mills Note: General Mills does NOT send an 888 for materials deleted from our application.						
Code List Summary (Total Codes: 121, Included: 2)						
<u>Code</u>		<u>Name</u>				
001		Change				
003		Add Full Item Detail				

# Loop Assigned Number

Pos: 0350	Repeat: >1
Mandatory	
Loop: 0310	Elements: N/A

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

**Purpose:** To reference a line number in a transaction set

## 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>
0350	LX	Assigned Number	M	1		Must use
0400	G39	Item Characteristics - Vendor's Selling Unit	O	1		Used
0500	G69	Line Item Detail - Description	O	5		Used
0560	LIN	Item Identification	O	1		Used
0570	PID	Product/Item Description	O	200		Used
0580	PKG	Marking, Packaging, Loading	O	25		Used
1530	MEA	Measurements	O	10		Used
1540	TD1	Carrier Details (Quantity and Weight)	O	1		Used
1560		Loop 0311	O		>1	Used

# LX Assigned Number

Pos: 0350	Max: 1
Detail - Mandatory	
Loop: 0310	Elements: 1

User Option (Usage): Must use  
Purpose: To reference a line number in a 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>
LX01	554	Assigned Number	M	N0	1/6	Must use
Description: Number assigned for differentiation within a transaction set						

# G39 Item Characteristics - Vendor's Selling Unit

Pos: 0400	Max: 1
Detail - Optional	
Loop: 0310	Elements: 17

**User Option (Usage):** Used

**Purpose:** To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3902	235	Product/Service ID Qualifier	C	ID	2/2	Used

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

**Code List Summary** (Total Codes: 505, Included: 1)

**Code Name**

VN Vendor's (Seller's) Item Number

G3903	234	Product/Service ID	C	AN	1/48	Used
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**Description:** Identifying number for a product or service

**General Mills Note:** General Mills 10 digit item number

G3905	395	Unit Weight	C	R3	1/8	Used
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**Description:** Numeric value of weight per unit

**General Mills Note:** Gross Case Weight

G3906	187	Weight Qualifier	C	ID	1/2	Used
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**Description:** Code defining the type of weight

**Code List Summary** (Total Codes: 52, Included: 1)

**Code Name**

G Gross Weight

G3907	188	Weight Unit Code	C	ID	1/1	Used
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**Description:** Code specifying the weight unit

**Code List Summary** (Total Codes: 8, Included: 1)

**Code Name**

L Pounds

**General Mills Note:**

"L" is most used Unit, however all code values are usable.

G3908	65	Height	C	R2	1/8	Used
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**Description:** Vertical dimension of an object measured when the object is in the upright position

**General Mills Note:** Case Height

G3909	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

**Code List Summary** (Total Codes: 803, Included: 1)

**Code Name**

IN Inch

**General Mills Note:**

"IN" is most used Unit, however all code values are usable.

G3910	189	Width	C	R2	1/8	Used
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<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> Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
		<b>General Mills Note:</b> <i>Case Width</i>				
G3911	355	<b>Unit or Basis for Measurement Code</b>	C	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: 803, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		IN    Inch				
		<b>General Mills Note:</b> <i>"IN" is most used Unit, however all code values are usable.</i>				
G3912	82	<b>Length</b>	C	R2	1/8	Used
		<b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position				
		<b>General Mills Note:</b> <i>Case Length</i>				
G3913	355	<b>Unit or Basis for Measurement Code</b>	C	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: 803, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		IN    Inch				
		<b>General Mills Note:</b> <i>"IN" is most used Unit, however all code values are usable.</i>				
G3914	183	<b>Volume</b>	C	R3	1/8	Used
		<b>Description:</b> Value of volumetric measure				
		<b>General Mills Note:</b> <i>Case Volume</i>				
G3915	355	<b>Unit or Basis for Measurement Code</b>	C	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: 803, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		CF    Cubic Feet				
		<b>General Mills Note:</b> <i>"CF" is most used Unit, however all code values are usable.</i>				
G3916	416	<b>Pallet Block and Tiers</b>	O	N0	6/6	Used
		<b>Description:</b> Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet				
		<b>General Mills Note:</b> <i>First 3 digits are cases per layer (TI), second 3 digits are layers per pallet (HI)</i>				
G3917	356	<b>Pack</b>	O	N0	1/6	Used
		<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container				
		<b>General Mills Note:</b> <i>Number of packages per case</i>				
G3918	357	<b>Size</b>	C	R2	1/8	Used
		<b>Description:</b> Size of supplier units in pack				
		<b>General Mills Note:</b> <i>Size of packages</i>				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G3919	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

**General Mills Note:** *PK and OZ are most used Units, however all code values are usable.*

**Code List Summary** (Total Codes: 803, Included: 2)

**Code Name**

OZ Ounce - Av

PK Package

## Syntax Rules:

1. R0102 - At least one of G3901 or G3902 is required.
2. P0203 - If either G3902 or G3903 is present, then the other is required.
3. P050607 - If either G3905, G3906 or G3907 are present, then the others are required.
4. P0607 - If either G3906 or G3907 is present, then the other is required.
5. P0809 - If either G3908 or G3909 is present, then the other is required.
6. P1011 - If either G3910 or G3911 is present, then the other is required.
7. P1213 - If either G3912 or G3913 is present, then the other is required.
8. P1415 - If either G3914 or G3915 is present, then the other is required.
9. P1819 - If either G3918 or G3919 is present, then the other is required.
10. P2324 - If either G3923 or G3924 is present, then the other is required.
11. P2526 - If either G3925 or G3926 is present, then the other is required.

# G69 Line Item Detail - Description

Pos: 0500	Max: 5
Detail - Optional	
Loop: 0310	Elements: 1

User Option (Usage): Used  
Purpose: To describe an item in free-form format

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>
G6901	369	Free-form Description	M	AN	1/45	Must use
Description: Free-form descriptive text						

# LIN Item Identification

Pos: 0560	Max: 1
Detail - Optional	
Loop: 0310	Elements: 2

**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	Must use

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

**Code List Summary** (Total Codes: 505, Included: 1)

### Code Name

UK EAN/UCC - 14

**Description:** Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)

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:** Item GTIN (14 digits)

## 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.

# PID Product/Item Description

Pos: 0570	Max: 200
Detail - Optional	
Loop: 0310	Elements: 3

**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

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
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**Description:** Code identifying the general class of a product or process characteristic

**Code List Summary** (Total Codes: 239, Included: 6)

Code	Name
02	General Product Form
05	Category
12	Type and/or Process
71	Mechanical
GEN	General Description
MAC	Material Classification

**General Mills Note:**

*Code 02 will be used to communicate product type information (e.g. Finished Goods, Ingredients, etc)*

**General Mills Note:**

*Code 05 will be used to communicate product family information.*

**General Mills Note:**

*Code 12 will be used to communicate General Mills Material Prioritization & Hub and Spoke Type/Process Code*

**General Mills Note:**

*Code 71 will be for the Mechanical Picking Project (used by large warehouses). It provides a layer handling indicator for the product.*

**General Mills Note:**

*Code GEN will be used to communicate General Mills product division*

**Description:** Class of material, e.g. prime, secondary, etc.

**General Mills Note:**

*Code MAC will be used to communicate product class information.*

PID05	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

**General Mills Note:**

*When PID02 qualifier is "02", the following character product types can be sent in the PID05:*

*FINI = Finished Goods*

*SEMI = Semi Finished Goods*

*PACK = Packaging*

*INGR = Ingredients*

*SUPP = Support Materials*

*When PID02 qualifier is "05", this element will contain General Mill Product Family for this product*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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(example "Cereal").

When PID02 qualifier is "12", the following Material type/process codes can be sent in the PID05:

A = Prioritized

B = Non-Prioritized

H = Hub-Spoke Only

N = Prioritized and Hub-Spoke

NA = Not Applicable

When PID02 qualifier is "71", the following layer handling indicators can be sent in the PID05:

CLAW = Claw

MAG = Magnet

C&M = Claw and Magnet

NP = Non-Pickable (layer cannot be mechanically handled - example: frosting)

NA = Not Applicable (product is not in scope - example: refrigerated products)

If the segment is not showing, the material handling indicator has not been defined.

### 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.

# PKG Marking, Packaging, Loading

Pos: 0580	Max: 25
Detail - Optional	
Loop: 0310	Elements: 3

**User Option (Usage):** Used

**Purpose:** To describe marking, packaging, loading, and unloading requirements

## 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>
PKG01	349	Item Description Type	C	ID	1/1	Used

**Description:** Code indicating the format of a description

**Code List Summary** (Total Codes: 3, Included: 1)

**Code Name**

F Free-form

PKG02	753	Packaging Characteristic Code	O	ID	1/5	Used
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**Description:** Code specifying the marking, packaging, loading and related characteristics being described

**Code List Summary** (Total Codes: 47, Included: 2)

**Code Name**

LCE Lot Code Expiration Date Based

LCP Lot Code Production Date Based

PKG05	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. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0403 - If PKG04 is present, then PKG03 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

# MEA Measurements

Pos: 1530	Max: 10
Detail - Optional	
Loop: 0310	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

## 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>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used

**Description:** Code identifying the broad category to which a measurement applies

**Code List Summary** (Total Codes: 157, Included: 3)

### Code Name

PA	Pallet Dimensions
PS	Product Characteristic Specification
SF	Shelf Life

MEA02	738	Measurement Qualifier	O	ID	1/3	Used
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**Description:** Code identifying a specific product or process characteristic to which a measurement applies

**Code List Summary** (Total Codes: 959, Included: 6)

### Code Name

A3	Aging Time
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#### **General Mills Note:**

*If an A3 value is sent, this product must be placed on quality hold when received if within the time period communicated. The value in MEA03 will be time period for incubation of the product from manufacture date.*

HM	Height, Maximum
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#### **General Mills Note:**

*HM used to communicate "lift stack height" = number of pallets transported at the same time by a fork truck.*

HT	Height
----	--------

#### **General Mills Note:**

*HT used to communicate "ops stack height" = number of pallets that can be stacked together in the warehouse.*

QL	Quality
----	---------

#### **General Mills Note:**

*If the QL qualifier EXISTS the product is part of the Green Light Project. This material is then eligible to have statuses sent to the partner via the EDI 947 document.*

EPL	Expected Product Life
-----	-----------------------

#### **General Mills Note:**

*Use this value in the calculation for the Freshness Ship Period (aka Internal Ship)*

*Expire Based Product (LCE from PKG02): Expiration date - EPL value = Date when product goes on hold due to "age"*

*Production Based Product (LCP from PKG02): Production date + EPL value = Date when product goes on hold due to "age"*

SHA	Shelf Life
-----	------------

#### **General Mills Note:**

*Use this value to calculate Expiration Life Period -- the end day for the consumers.*

MEA03	739	Measurement Value	C	R4	1/20	Used
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**Description:** The value of the measurement

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA04	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

**General Mills Note:** *Unit of measure will be "PL" when sending pallet stack information.*

*Unit of measure will be "DA" "WK" or "MO" when sending Shelf Life information -- day, week or month*

### Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

### General Mills Note:

*Integrate EPL data as it can change. It is part of your Freshness Ship Period calculations (defines when to put product on hold).*



# TD1 Carrier Details (Quantity and Weight)

Pos: 1540	Max: 1
Detail - Optional	
Loop: 0310	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

**Code List Summary - Part 1/2** (Total Codes: 148, Included: 1)

**Code Name**

TRU Truck

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:** General Mills will use this for the Uniform Freight Classification.

*Data Format Change: The Type is defined as N0 as part of the industry standards. As it turns out, decimal points were introduced (77.5 and 92.5). You must update your data definition to allow these values.*

TD103	23	Commodity Code Qualifier	O	ID	1/1	Used
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**Description:** Code identifying the commodity coding system used for Commodity Code

**Code List Summary** (Total Codes: 23, Included: 1)

**Code Name**

N National Motor Freight Classification (NMFC)

TD104	22	Commodity Code	C	AN	1/30	Used
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**Description:** Code describing a commodity or group of commodities

TD105	79	Lading Description	O	AN	1/50	Used
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**Description:** Description of an item as required for rating and billing purposes

## 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:

Capture the Freight Classification Code and NMFC if you ship LTL -- the information must be included on the Bill of Lading.

# Loop Name

Pos: 1560Repeat: >1  
Optional  
Loop: 0311Elements: 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
1560	N1	Name	O	1		Used
1600	PAL	Pallet Information	O	>1		Used

# N1 Name

<b>Pos: 1560</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: 0311</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	Entity Identifier Code	M	ID	2/3	Must use				
Description: Code identifying an organizational entity, a physical location, property or an individual										
Code List Summary (Total Codes: 1446, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>VN</td><td>Vendor</td></tr></table>							<u>Code</u>	<u>Name</u>	VN	Vendor
<u>Code</u>	<u>Name</u>									
VN	Vendor									
N102	93	Name	C	AN	1/60	Used				
Description: Free-form name										
N103	66	Identification Code Qualifier	C	ID	1/2	Used				
Description: Code designating the system/method of code structure used for Identification Code (67)										
Code List Summary (Total Codes: 223, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>9</td><td>D-U-N-S+4, D-U-N-S Number with Four Character Suffix</td></tr></table>							<u>Code</u>	<u>Name</u>	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
<u>Code</u>	<u>Name</u>									
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix									
N104	67	Identification Code	C	AN	2/80	Used				
Description: Code identifying a party or other code										

## Syntax Rules:

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

## General Mills Note:

*Repeat of N1\*VN from header.*

# PAL Pallet Information

Pos: 1600	Max: >1
Detail - Optional	
Loop: 0311	Elements: 9

**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PAL04	356	Pack	O	N0	1/6	Used

**Description:** The number of inner containers, or number of eaches if there are no inner containers, per outer container

**General Mills Note:** *Number of Cases per Pallet*

PAL07	82	Length	C	R2	1/8	Used
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**Description:** Largest horizontal dimension of an object measured when the object is in the upright position

**General Mills Note:** *Length of Loaded Pallet*

PAL08	189	Width	C	R2	1/8	Used
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**Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position

**General Mills Note:** *Width of Loaded Pallet*

PAL09	65	Height	C	R2	1/8	Used
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**Description:** Vertical dimension of an object measured when the object is in the upright position

**General Mills Note:** *Height of Loaded Pallet*

PAL10	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

**Code List Summary** (Total Codes: 803, Included: 1)

Code	Name
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IN	Inch
----	------

**General Mills Note:**

*"IN" is most used Unit, however all code values are usable.*

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

**General Mills Note:** *Weight of Loaded Pallet*

PAL12	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

**Code List Summary** (Total Codes: 803, Included: 1)

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

**General Mills Note:**

*"LB" is most used Unit, however all code values are usable.*

PAL13	385	Gross Volume per Pack	C	R2	1/9	Used
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**Description:** Numeric value of gross volume per pack

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

**Code List Summary** (Total Codes: 803, Included: 1)

**Code Name**

CF Cubic Feet

**General Mills Note:**

*"CF" is most used Unit, however all code values are usable.*

## 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.

# SE Transaction Set Trailer

Pos: 2000	Max: 1
Detail - 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						
General Mills Note: The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).						

# 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:**

<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	Number of Transaction Sets Included	M	N0	1/6	Must use
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
<b>General Mills Note:</b> <i>The count of ST segments within the group.</i>						
GE02	28	Group Control Number	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
<b>General Mills Note:</b> <i>This must be the same number as is in the GS segment (GS06) for the group.</i>						

# 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

**General Mills Note:** IEA01 contains the count of GS segments within the transmission.

IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
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**Description:** A control number assigned by the interchange sender

**General Mills Note:** IEA02 must be the same number as in the ISA segment (ISA13) for the transmission.