



**General
Mills**

**Making Food
People Love**

888 Item Maintenance

UCS/V4030/888: 888 Item Maintenance

Company:

General Mills

Modified:

7/10/2024

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

LOOP ID - 0100 **≥1**

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>
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LOOP ID - 0300 **≥1**

0100	G53	Maintenance Type	M	1			Must use
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LOOP ID - 0310 **≥1**

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

LOOP ID - 0311 **≥1**

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

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

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	Authorization Information Qualifier	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

Code List Summary (Total Codes: 7, Included: 1)

Code Name

00 No Authorization Information Present (No Meaningful Information in I02)

ISA02	I02	Authorization Information	M	AN	10/10	Must use
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Description: 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	Security Information Qualifier	M	ID	2/2	Must use
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Description: Code to identify the type of information in the Security Information

Code List Summary (Total Codes: 2, Included: 1)

Code Name

00 No Security Information Present (No Meaningful Information in I04)

ISA04	I04	Security Information	M	AN	10/10	Must use
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Description: 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	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Code List Summary (Total Codes: 38, Included: 1)

Code Name

08 UCC EDI Communications ID (Comm ID)

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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Description: 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

General Mills Note:

General Mills Test ID = 925119TEST

General Mills Production ID = 9251190000

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

All valid standard codes are used. (Total Codes: 38)

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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Description: 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	Interchange Date	M	DT	6/6	Must use
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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>
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I65	Repetition Separator	M		1/1	Must use
		Description: 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	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		Code List Summary (Total Codes: 17, Included: 1)				
		Code Name				
		00403 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		Code List Summary (Total Codes: 3, Included: 1)				
		Code Name				
		P Production Data				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

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

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	Functional Identifier Code	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code List Summary (Total Codes: 261, Included: 1)

Code Name

QG Product Information (878, 879, 888, 889, 896)

GS02	142	Application Sender's Code	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	Application Receiver's Code	M	AN	2/15	Must use
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Description: Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

GS05	337	Time	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	Group Control Number	M	N0	1/9	Must use
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Description: Assigned number originated and maintained by the sender

GS07	455	Responsible Agency Code	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

Code List Summary (Total Codes: 2, Included: 1)

Code Name

T Transportation Data Coordinating Committee (TDCC)

GS08	480	Version / Release / Industry Identifier Code	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

Code List Summary (Total Codes: 33, Included: 1)

Code Name

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

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 314, Included: 1)

<u>Code</u>	<u>Name</u>
888	Item Maintenance

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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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

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:

<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: 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)

Code Name

09 Process Date

General Mills Note:

The date the file was generated.

G6202	373	Date	C	DT	8/8	Used
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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:

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

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

General Mills Note:

This is a mandatory field so we are sending it, but please do not assume you will always get a "New" transaction before you get "Changes". The first time an item is sent it will go as new, but if your site is not designated to receive at that time, you will not get it. Subsequently, when the item is extended to your site, you will get all the information as a "change". So it is best to take in whatever we provide irregardless of this element. Add your local attributes if needed. Always take our updates.

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	NO	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>
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position General Mills Note: <i>Case Width</i>				
G3911	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 IN Inch General Mills Note: <i>"IN" is most used Unit, however all code values are usable.</i>				
G3912	82	Length	C	R2	1/8	Used
		Description: Largest horizontal dimension of an object measured when the object is in the upright position General Mills Note: <i>Case Length</i>				
G3913	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 IN Inch General Mills Note: <i>"IN" is most used Unit, however all code values are usable.</i>				
G3914	183	Volume	C	R3	1/8	Used
		Description: Value of volumetric measure General Mills Note: <i>Case Volume</i>				
G3915	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: <i>"CF" is most used Unit, however all code values are usable.</i>				
G3916	416	Pallet Block and Tiers	O	N0	6/6	Used
		Description: 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 General Mills Note: <i>First 3 digits are cases per layer (TI), second 3 digits are layers per pallet (HI)</i>				
G3917	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: <i>Number of packages per case</i>				
G3918	357	Size	C	R2	1/8	Used
		Description: Size of supplier units in pack General Mills Note: <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:

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

General Mills Note:

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

05 Category

General Mills Note:

Code 05 will be used to communicate product family information.

12 Type and/or Process

General Mills Note:

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

71 Mechanical

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.

GEN General Description

General Mills Note:

Code GEN will be used to communicate General Mills product division

MAC Material Classification

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)

<u>Code</u>	<u>Name</u>
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)

<u>Code</u>	<u>Name</u>
A3	Aging Time
General Mills Note: <i>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.</i>	
HM	Height, Maximum
General Mills Note: <i>HM used to communicate "lift stack height" = number of pallets transported at the same time by a fork truck.</i>	
HT	Height
General Mills Note: <i>HT used to communicate "ops stack height" = number of pallets that can be stacked together in the warehouse.</i>	
QL	Quality
General Mills Note: <i>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.</i>	
EPL	Expected Product Life
General Mills Note: <i>Use this value in the calculation for the Freshness Ship Period (aka Internal Ship)</i> <i>Expire Based Product (LCE from PKG02): Expiration date - EPL value = Date when product goes on hold due to "age"</i> <i>Production Based Product (LCP from PKG02): Production date + EPL value = Date when product goes on hold due to "age"</i>	
SHA	Shelf Life
General Mills Note: <i>Use this value to calculate Expiration Life Period -- the end day for the consumers.</i>	

MEA03	739	Measurement Value	C	R4	1/20	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>
MEA04	355	Unit or Basis for Measurement Code	C	ID	2/2	Used

Description: The value of the measurement

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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: 1560	Repeat: >1
Optional	
Loop: 0311	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>
1560	N1	Name	O	1		Used
1600	PAL	Pallet Information	O	>1		Used

N1 Name

Pos: 1560	Max: 1
Detail - Optional	
Loop: 0311	Elements: 4

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)						
<u>Code 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)						
<u>Code 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

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

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:

<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	Number of Included Segments	M	NO	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

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	Group Control Number	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

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