



**General
Mills**

**Making Food
People Love**

888 Item Maintenance

UCS/V4030/888: 888 Item Maintenance

Company:

General Mills

Modified:

1/11/2018

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>
LOOP ID - 0300					>1		
0100	G53	Maintenance Type	M	1			Must use
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
<p>Description: Code to identify the type of information in the Authorization Information</p> <p>CodeList Summary (Total Codes: 7, Included: 1)</p> <p>Code Name</p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
<p>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)</p>						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
<p>Description: Code to identify the type of information in the Security Information</p> <p>CodeList Summary (Total Codes: 2, Included: 1)</p> <p>Code Name</p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>						
ISA04	I04	Security Information	M	AN	10/10	Must use
<p>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)</p>						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>CodeList Summary (Total Codes: 38, Included: 1)</p> <p>Code Name</p> <p>08 UCC EDI Communications ID (Comm ID)</p>						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
<p>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</p> <p>General Mills Note: <i>General Mills Test ID = 925119TEST</i> <i>General Mills Production ID = 9251190000</i></p>						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>All valid standard codes are used. (Total Codes: 38)</p>						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
<p>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</p>						
ISA09	I08	Interchange Date	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>
		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				
		CodeList Summary (Total Codes: 17, Included: 1)				
		<u>Code</u> <u>Name</u>				
		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				
		CodeList Summary (Total Codes: 3, Included: 1)				
		<u>Code</u> <u>Name</u>				
		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						
CodeList 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
Description: Code identifying party sending transmission; codes agreed to by trading partners						
General Mills Note:						
<i>General Mills Test & Production ID = 6125404455</i>						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
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	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
CodeList Summary (Total Codes: 33, Included: 1)						
Code Name						
004030UCS						

Semantics:

- GS04 is the group date.

2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

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

CodeList Summary (Total Codes: 314, Included: 1)

Code Name

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

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

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

CodeList 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)

CodeList Summary (Total Codes: 223, Included: 2)

Code Name

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

General Mills Note:

Will be sent when N101 = VN

93 Code assigned by the organization originating the transaction set

General Mills Note:

Will be sent when N101 = WH

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.

Comments:

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

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

CodeList Summary (Total Codes: 138, Included: 1)

<u>Code</u>	<u>Name</u>
09	Process Date

General Mills Note:

Generation date

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 currently does NOT send an 888 for materials deleted from our application.*

CodeList 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	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)

CodeList 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

CodeList 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

CodeList Summary (Total Codes: 8, Included: 1)

Code Name

L Pounds

General Mills Note:

"LB" 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

CodeList 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				
		CodeList 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				
		CodeList 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				
		CodeList 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, second 3 digits are layers per pallet</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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Size of supplier units in pack General Mills Note: <i>Size of packages</i>				
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: <i>PK and OZ are most used Units, however all code values are usable.</i>				
		CodeList 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)

CodeList 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.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

CodeList 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

General Mills Note: Codes for Finished Goods, Semi Finished, Packaging and Support Materials are not on industry code list. A change request has been submitted to GS1 requesting these be added for future releases.

CodeList Summary (Total Codes: 239, Included: 5)

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

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 is "05", PID05 will contain General Mill Product Family for this product (example "Cereal").
When PID02 value 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 is "12", PID05 will contain General Mills Material Prioritization & Hub and Spoke

<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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Type/Process Code (example "Prioritized & Hub-Spoke").

When PID02 value 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 & Hub-Spoke

NA = Not Applicable

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.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

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

CodeList 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

General Mills Note: Codes LCE and LCP are proposed and have been submitted via change request to GS1.

CodeList 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

General Mills Note: Will contain "LCE" when PKG02 = LCE.. Will contain "LCP" when PKG02 = LCP.

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.

Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

Comments:

1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.
4. Special marking or tagging data can be given in PKG05 (description).

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

CodeList Summary (Total Codes: 157, Included: 3)

Code Name

PA Pallet Dimensions

General Mills Note:

PA is used to communicate Pallet Stack Factor

PS Product Characteristic Specification

General Mills Note:

PS will be sent in MEA 01 to specify the base unit of measure for the product.

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

General Mills Note: MEA02 will not be sent with MEA01 value of PS

CodeList Summary (Total Codes: 959, Included: 5)

Code Name

A3 Aging Time

General Mills Note:

A3 will be used only with MEA01 value of SF. The value in MEA03 will be time period for incubation of the product from manufacture date. If an A3 value is sent, this product must be placed on quality hold when received if within the time period communicated.

HM Height, Maximum

General Mills Note:

HM used to communicate pallet stack information

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:

This value is the Freshness Ship Period = last day the product can be shipped to customers.

SHA Shelf Life

General Mills Note:

This value is the Expiration Life Period = end day for the consumers.

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

General Mills Note: Will be "1" when MEA01 = PS or when MEA02 = QL (for EDI compliance)

MEA04	355	Unit or Basis for Measurement Code	C	ID	2/2	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>
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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: *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
All other valid codes when sending Base Unit of Measure for the product.*

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.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

General Mills Note:

Ordering Unit of Measure is described in MEA04. This is the vendor's selling unit (consumer item, case, pallet, etc.) described in the previous G39 segment. The MEA01 will contain a PS, and MEA03 will contain a "1" .

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

General Mills Note: *Unit of measure shared here is Base Unit of Measure for Product*

CodeList Summary (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.*

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

CodeList 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.

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

CodeList Summary (Total Codes: 1446, Included: 1)

Code Name

VN Vendor

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

General Mills Note: Used to identify party maintaining the material - General Mills

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)

CodeList Summary (Total Codes: 223, Included: 1)

Code Name

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

General Mills Note:

The identification code consists of a 9-digit DUNS number for the party followed by a 4-character suffix defined by the party.

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

General Mills Note: General Mills DUNS + 4 = 0062507400999

Syntax Rules:

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

Comments:

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

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:

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

CodeList 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

CodeList 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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
General Mills Note: <i>Volume of Loaded Pallet</i>						
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: 803, Included: 1)						
Code Name						
	CF	Cubic Feet				
General Mills Note:						
<i>"CF" is most used Unit, however all code values are usable.</i>						

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.

Semantics:

1. PAL04 (Pack) is the number of pieces on the pallet.
2. PAL05 (Unit Weight) is the weight of the pallet alone, before loading.
3. PAL07 and PAL08 (Length and Width) are the dimensions of the pallet before loading.
4. PAL09 (Height) is the height of the pallet and load.
5. PAL11 and PAL13 (Gross Weight and Gross Volume) are measured after loading and includes the pallet.

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: <i>The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).</i>						

Comments:

- SE is the last segment of each transaction set.

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

<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.*

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

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>						