



# **US Foods**

## **GDSN Implementation Guide**

Version 2.8  
May, 2016

## **OVERVIEW**

This document is intended for Suppliers who will be sending product data to US Foods through the GDSN and have subscribed to a GDSN Certified Data Pool other than FSEnet<sup>+</sup>.

Suppliers currently publishing item information through the Global Data Synchronization Network (GDSN) for their Retail Trading Partners will need to populate additional data attributes to meet the US Foods requirements.

The following options are available to these Suppliers:

**Option 1:** GDSN – Provide all data attributes via GDSN

**Option 2:** GDSN Plus – Provide additional attributes to FSEnet<sup>+</sup> directly

All communication related to US Foods implementation options should be directed to FSEnet<sup>+</sup>. Your FSEnet<sup>+</sup> contact will review the options available to you and recommend the option which best suits your company's needs.

## **FSE/US Foods – Contacts**

1. For Suppliers who have an existing relationship with FSEnet<sup>+</sup>, please contact your assigned FSE Account Manager. If unsure of whom your contact is, please contact Merissa Hamilton, [merissa@fsenet.com](mailto:merissa@fsenet.com) or 480-374-0102.
2. For Suppliers who do not have an existing relationship with FSEnet<sup>+</sup>, please contact David Jellenik, [david@fsenet.com](mailto:david@fsenet.com) or 617-431-1246.
3. Questions about Data Requirements and/or US Foods PIM Systems should be directed to PIM Department, [GDSN@usfoods.com](mailto:GDSN@usfoods.com), 1-800-392-8866.

## **US Foods GLN Information**

US Foods Production GLN: 0758108000001

## **US Foods Data Synchronization Environment**

Data Pool: FSEnet<sup>+</sup>

System: FSEnet<sup>+</sup> Portal

## **Option 1: Publishing to US Foods via the GDSN**

### **Implementation Overview**

The following outlines the key steps to implementation:

#### **Implementation Steps**

1. Initiate the GDSN trading partner relationship
  - a. Contact FSEnet<sup>+</sup> to confirm your implementation option
  - b. Review the list of required attributes in this document
  - c. US Foods will create a subscription based upon your GLN
2. FSEnet<sup>+</sup> will provide a username and password to the FSEnet<sup>+</sup> Portal to assist with Rationalization<sup>1</sup> and New Item Setup procedures<sup>3</sup>.
3. Prepare product data for Publication
4. Publish all products as “Initial Load”
  - a. Confirm timing of initial publication.
5. Login to FSEnet<sup>+</sup> portal for product status to complete the Rationalization process and investigate “Review” CIC responses<sup>2</sup>.
6. Ongoing publications to be sent with “New” or “Update” status. To inactivate a product, send as “discontinued date” if available, followed by a “Delete” publication.

### **Publications**

1. US Foods requests that Suppliers publish all products that the Supplier would like to make available for sale to US Foods. Items to include:
  - a. Items US Foods currently purchases
  - b. Items that Supplier would like US Foods to purchase in the future.

### **Rationalization**<sup>1</sup>

To facilitate data synchronization, US Foods sends weekly “seed files” to FSEnet<sup>+</sup> that includes all active Supplier case records. The product records within the seed files include attributes that

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<sup>1</sup> See Rationalization on Page 3

<sup>2</sup> See CIC Messages on Page 4

<sup>2</sup> See New Item on Page 5

are critical for use in matching US Foods products to the Supplier published products. These attributes include GTIN, Supplier product number, product description, brand, pack size, etc.

If a published record passes the US Foods audit and matches on GTIN or Supplier product number, the matched records are presented to US Foods for review. If the match is accepted, the Supplier will get a “synchronized” CIC message and the US Foods record is updated with the published data from that point forward. Records that are rejected by US Foods for any reason result in a Review CIC being sent to the Supplier. The “Review” CIC will identify specific issues preventing synchronization of the product. It is critical to review the CIC messages after each publication.

US Foods records that are not automatically matched to any of the Supplier published records also require the Supplier to go into Rationalization in the FSEnet<sup>+</sup> portal. There are four basic scenarios that result in unmatched distributor records:

1. The US Foods record is obsolete. The item has been discontinued by the Supplier.
2. US Foods has more than one record for a single Supplier product.
3. US Foods has records that FSEnet<sup>+</sup> was unable to match to a corresponding Supplier record.
4. The data in the US Foods record is inaccurate and therefore can't be matched.

Product rationalization is a one-time process that ensures perfect product alignment between US Foods and the Supplier. Once all existing items are rationalized, there is no further need for rationalization as all new Items will be handled through the New Item Setup process.

## **Catalog Item Confirmations (CIC's)<sup>2</sup>**

US Foods will automatically return a CIC to the Supplier. The CIC sent will be based upon the following:

### **GDSN Response Messages:**

**Accepted:** Transmission received and can be processed.

**Exception:** Transmission received but contains XML or GDSN validation error - will not be processed.

### **CIC Messages:**

**Received:** product has been received and has passed US Foods GDSN validations. This response will typically be sent within a few hours after receiving the publication. An “Accepted” message means only that the record has passed US Foods validations. If either the GTIN or the MPN matches a US Foods seed file record, the matching records will be compared by US Foods and you will receive either a “synchronized” or a “Review” CIC message. If neither of these values matches a value in a seed file record, the item will stay in “Accepted” status. The Supplier should review the items in Rationalization to determine whether they should associate the “Accepted” item to an existing US Foods seed file record (with inaccurate GTIN and MPN values) or leave the item in the catalog as is, so it can be viewed as an eligible item in the FSEnet<sup>+</sup> Buyers Portal.

**Note:** If the Supplier sends multiple phases, an “Accepted” message will not be returned until all phases are passing the US Foods Audit requirements.

**Example** - Supplier sends Core, Marketing and Nutrition (Core and Marketing are passing the US Foods Audit, but Nutrition is failing, Supplier will only receive a “Review” CIC for what is missing in the nutritional fields. Once all three phases are passing the US Foods audit, the Supplier will receive an “Accepted” CIC Message. Note: as soon as Core is passing, that Core data will be updated in the USF PIM system.

**Review:** Product does not pass US Foods GDSN validations or product has been matched (Rationalized) with a US Foods catalog item, but was not “Accepted” by US Foods staff during review and therefore has data discrepancies to be reviewed and addressed. Reason for “Review” status will be transmitted in CIC999. If the reason for review is US Foods required data that is not in the published record, please add the required data to your publication and republish. If US Foods rejected the match, please go to Rationalization to reconcile the records. This response may follow an “Accepted” message and may take several days to resolve.

**Synchronized:** Product has been published to US Foods internal system and will be updated as revisions occur. This response will be sent after all validations and audits have been successfully completed.

**Rejected:** Product has been de-listed by US Foods. The item will revert back to Eligible with an “Accepted” CIC status (if passing audit) or “Review” CIC status (if failing audit) the following week. If required, item can be published to FSEnet<sup>+</sup> as a delete following the “Accepted” or “Review” CIC status.

## **Listing New Items with US Foods<sup>3</sup>**

US Foods utilizes FSEnet<sup>+</sup> in their New Item Setup process. We require Suppliers to publish and pass US Foods Core, Nutritional, and Image audits on all, items including eligible items, to help facilitate the New Item Setup process and increase speed to market on new items.

In the event that a Supplier has not provided information on an Item that a US Foods buyer requests, a request via email will be sent using the Direct Request function of the FSEnet<sup>+</sup> system. The expectation of US Foods is that all required attributes for eligible items will be published through the GDSN within 24-48 hours.

## **US Foods Image Requirements**

### **Image Size**

For standard resolution images:

- Minimum image size per side: 75 mm (3.0 in.) (900 pixels)
- Maximum image size per side: 200 mm (8.0 in.) (2400 pixels)
- File resolution: 300 dpi
- Square aspect ratio is maintained (1:1) for automatic processing

For high-resolution images:

- Minimum image size per side: 200 mm (8.0 in.) (2400 pixels)
- Maximum image size per side: 400 mm (16.0 in.) (4800 pixels)
- File resolution: 300 dpi
- Square aspect ratio is maintained (1:1) for automatic processing

### **File Format and Color Mode**

- File format: LZW TIFF format
- Delivery of the image will be at the minimum image quality and trading partner agreements can dictate the storage of the image in an alternate format, i.e., JPEG format (quality level maximum or level “number 12”)
- Color Mode: RGB

### **File Naming**

#### **File Name**

A significant portion of the Marketing image standard covers the naming conventions to identify the views represented by each image. There could be multiple languages on a product leading to exceptionally long file names. There could also be more than one marketing view available for a product. For example, a product in Country A with bilingual packaging will not have the same GTIN as the same product sold in Country B which has another set of languages. The languages on the packaging will be unique to the specific product GTIN.

When all merchandisable views contain all languages present on packaging, there is no need for a language indicator (i.e., a default in-package, primary merchandisable view). A unique language indicator is only required when alternate views with unique language facings exist (i.e., alternate side of same product with alternate language view). For example, the English view would add the “\_en” to the file name.

This leads to the other key aspect of identification: when a product has multiple merchandisable faces, which is the primary? To resolve this question, refer to the existing standards for determining the front face found in Section 6.8 of the GS1 General Specifications (see the following excerpt):

*6.8.1.3.2 “For the purposes of this standard, the Default Front is the side with the largest surface area that is used by the manufacturer to ‘sell’ the product to the consumer, in other words, the side with markings such as the product name.”...*

*“Some product packages have more than one possible front with the same surface area. These products can be presented both vertically and horizontally on the shelves. If a product package has more than one possible front, the highest side is considered to be the Default Front”.*

### File Name Construction

Table 1 below provides a key for how to populate each character when constructing the file name for a still-shot, single GTIN or a still shot product single GTIN with supporting elements in image.

*Table 1: Key to Populating the Characters in the File Name for a Still-Shot, Single GTIN*

FILE NAME CHARACTER	DESCRIPTION	VALUES	
FIRST 14 CHARACTERS	<ul style="list-style-type: none"> <li>Product-specific GTIN</li> <li>Numeric</li> </ul>		
15 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>Underscore spacer</li> </ul>		
16 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>File nature/type indicator</li> <li>Alphanumeric designation</li> </ul> <p>Note: Planoqram images are exempt from this convention.</p>	A	Still shot product single GTIN
<i>Note: This section is subject to frequent updates.</i>		B	Still shot product single GTIN with supporting elements in image
		C	Still shot product single GTIN (High Resolution)
		D	Still shot product single GTIN with supporting elements in image (High Resolution)
		Z	Undetermined

FILE NAME CHARACTER	DESCRIPTION	VALUES	
17 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>Facing indicator</li> <li>Numeric designation</li> <li>As with planogram images, a front determination is required with all subsequent faces relative to the front face</li> </ul>	1	Front
		2	Left
		3	Top
		7	Back
		8	Right
		9	Bottom
18 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>Angle identifier (i.e., angle reference relative to the face being represented)</li> <li>Alphanumeric designation</li> </ul>	C	Center
		L	Left
		R	Right
19 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>In/Out of packaging indicator</li> <li>Alphanumeric designation</li> </ul>	<p>If the value of the 16<sup>th</sup> position of the file naming convention is  <i>"A - Still shot product single GTIN"</i>  <b>OR</b>  <i>"C - Still shot product single GTIN (High Resolution)"</i>  the following values are available for the 19<sup>th</sup> character position:</p>	
		1	<i>In packaging</i>
		0	<i>Out of packaging (i.e., the product as it first arrives "out of packaging" – not how it appears after it has been processed or prepared)</i>
		A	<i>Case – A shot of the product in its case as it would appear to the operator upon delivery.</i>
		B	<i>Innerpack – A shot of the product as it would appear inside its packaging inside the case.</i>
		C	<i>Raw/Uncooked – A shot of a product that has not been cooked or processed or that needs to be cooked or further prepared before it is considered edible.</i>
		D	<i>Prepared - A shot of a product that has been taken from a raw or uncooked state to a cooked state according to the appropriate method of preparation (e.g., baked, fried, grilled or boiled).</i>



FILE NAME CHARACTER	DESCRIPTION	VALUES
19 <sup>TH</sup> CHARACTER (CONTINUED)		<p>If the value of the 16<sup>th</sup> position of the file naming convention is "B - Still shot product single GTIN with Supporting Elements in Image" <b>or</b> "D - Still shot product single GTIN with Supporting Elements in Image (High Resolution)"-  <b>the following values are available for the 19<sup>th</sup> character position:</b></p>
		1 <i>In packaging</i>
		0 <i>Out of packaging (i.e., the product as it first arrives "out of packaging" -- not how it appears after it has been processed or prepared)</i>
		A <i>Case – A shot of the product in its case as it would appear to the operator upon delivery.</i>
		B <i>Innerpack – A shot of the product as it would appear inside its packaging inside the case.</i>
		C <i>Raw/Uncooked – A shot of a product that has not been cooked or processed or that needs to be cooked or further prepared before it is considered edible.</i>
		D <i>Prepared - A shot of a product that has been taken from a raw or uncooked state to a cooked state according to the appropriate method of preparation (e.g., baked, fried, grilled or boiled).</i>
		E <i>Plated - Prepared food arranged simply on a serving plate, dish or bowl for better visibility. May include an additional step, such as garnishing, icing, seasoning or other enhancement.</i>
		F <i>Styled - Carefully and artfully arranged for an attractive visual presentation, and designed to suggest the taste, aroma and appeal of the actual dish. May include complementary items (e.g., an entrée and sides) to present the impression of a complete meal. May also include an additional step, such as garnishing, icing, seasoning or other enhancement. May be presented with different backgrounds and at different angles.</i>
		G <i>Staged - A shot of a product that has been arranged for display in such a way as to provide clear visibility. The product may be propped up if necessary for optimum viewing, but it should not be held or used in any way by a person.</i>
		H <i>Held - A shot of a product that has been held out for display by one hand or a pair of hands. When relevant, proper grip should be demonstrated. Apart from the hands and forearms, no part of the person holding the item should be visible.</i>
		I <i>Worn - A shot of a product, such as a protective item or article of clothing, which is worn by a person. The complete product should be visible inside the frame, but the individual wearing it should be cropped out as much as possible.</i>
		J <i>Used - A shot of a product as it is meant to be used in its appropriate environment. Small utensils may be held in a hand or hands and used for their intended purpose.</i>
		K <i>Family - A shot of a number of related products (e.g., matched sets, place settings) arranged together in a single picture.</i>
L <i>Open Case - A shot of a case, flaps open, that shows how the product(s) would look when an operator receives the product and opens the case.</i>		

The following characters are optional additions to be used if the product being imaged requires them in the order in which they should appear.

*Table 2: Optional Characters in the File Name for a Still-Shot, Single GTIN*

FILE NAME	DESCRIPTION & VALUES
20 <sup>TH</sup> CHARACTER	<ul style="list-style-type: none"> <li>• Underscore to separate optional identifiers</li> </ul>
21 <sup>ST</sup> – 22 <sup>ND</sup> CHARACTERS	<ul style="list-style-type: none"> <li>• Language indicator</li> <li>• 2 character alpha designation</li> </ul>
23 <sup>RD</sup> – 26 <sup>TH</sup> CHARACTERS	<ul style="list-style-type: none"> <li>• Image end date/promotional indicator</li> <li>• 4 character numeric or file effective end date time designation</li> <li>• MMYT that image is valid until (i.e., "1206" if image is good until December 2006 and then to be removed after 01 January 2007)</li> </ul>

## **Option 2: GDSN Plus – Providing Additional Attributes to FSEnet<sup>+</sup>**

Your FSEnet<sup>+</sup> contact will walk you through the various implementation options available to your company with this method.

## Required US Foods Product Attributes

Legend		
<b>M = Subset of attributes required by US Foods to process your publication.</b>	<b>R = Additional attributes requested by US Foods.</b>	<b>C = Conditional</b>

### Core:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Company Name(Manufacturer)	Manufacturer GLN	partyRoleCode(MANUFACTURER_OF_GOODS) & gln	<b>M</b>	
2		Manufacturer	partyRoleCode(MANUFACTURER_OF_GOODS) & partyName	<b>M</b>	
3	Company Name (Information Provider)	Information Provider GLN	partyRoleCode(INFORMATION_PROVIDER) & gln	<b>M</b>	
4		Information Provider	partyRoleCode(INFORMATION_PROVIDER) & partyName	<b>M</b>	
5	Company Name (Brand Owner)	Brand Name	partyRoleCode(BRAND_OWNER) & gln	<b>M</b>	
6		Brand Owner	partyRoleCode(BRAND_OWNER) & partyName	<b>M</b>	
7	Manufacturer Product Number	Product Code	additionalTradeItemIdentificationType(SUPPLIER_ASSIGNED) & additionalTradeItemIdentificationValue	<b>M</b>	
8	GTIN	GTIN	GTIN	<b>M</b>	
9	Barcode	Barcode Value Type	barCodeValueType	<b>R</b>	
10		Barcode	barcodeValue	<b>R</b>	
11	Brand Name	Brand Name	brandName	<b>M</b>	
12	Brand Name	Sub Brand	subBrand	<b>R</b>	
13	Private Label/Restricted Distribution	Brand Distribution Type	brandDistributionType	<b>R</b>	If provided value is RESTRICTED_DISTRIBUTION product passes Nutrients audit
14	Product Name	English Product Name Long	tradeItemDescription	<b>M</b>	
15	Manufacturer Short Product Description	English Product Name Short	descriptionShort	<b>R</b>	
16	GTIN of Next Lower Package Level	Name of Next Lower Package Level	childGTIN	<b>R</b>	
17	Quantity of Next Lower Package Level	Unit Quantity	totalQuantityOfNextLowerLevelTradeItem	<b>C**</b>	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
17a	Quantity of Inner Packs	Unit Quantity	quantityOfInnerPack	<b>C**</b>	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN
18	Inner Pack Quantity (No GTIN Assigned)	# of Units / Inner	quantityOfNextLevelTradeItemWithinInnerPack	<b>C**</b>	
19	Number of Next Lower Level GTINs	Number of Next Lower Level GTINs	quantityOfChildren	<b>C**</b>	
20	Net Content with UoM	Net Content	netContent & UOM	<b>C**</b>	M if Packsize text and Individual Unit Minimum and Maximum are not provided
21	Pack Size Text	Purchasing Pack Size Description	shippingContainerQuantityDescription	<b>C**</b>	M if Net Content and Individual Unit Minimum and Maximum are not provided

\*\* - If a Pack Size Text (attribute #21) value is included in the publication, then attributes #17 through #20 and #22,23 are not required. If Pack Size Text is not included in the publication, then Net Content, Net Content UOM and Unit Quantity (attribute #17) are required or Unit Quantity (attribute #17a), Individual Unit Minimum or Maximum values with UOM should be provided as appropriate.

**Core Continued:**

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
22	Individual Unit Measures	Individual Unit Minimum	individualUnitMinimumSize & UOM	C**	M if Packsize text and Individual Unit Maximum and Net Content are not provided
23		Individual Unit Maximum	individualUnitMaximumSize & UOM	C**	M if Packsize text and Individual Unit Minimum and Net Content are not provided
24	Unit Descriptor	Product Type	tradeItemUnitDescriptor	M	
25	Net Weight with UoM	Net Weight	netWeight & UOM	M	
26	Gross Weight with UoM	Gross Weight	grossWeight & UOM	M	
27	Height with UoM	Height	height & UOM	M	
28	Depth with UoM	Length	depth & UOM	M	
29	Width with UoM	Width	width & UOM	M	
30	Cube with UoM	Volume	inBoxCubeDimension & UOM	M	FSEnet* to calculate if blank or test if populated
31		Diameter	diameter &	R	
32	Pallet Ti and Pallet Hi	Pallet High	quantityOfLayersPerPallet	M	
33	Pallet Ti and Pallet Hi	Pallet Tie	quantityOfTradeItemsPerPalletLayer	M	
34	Pallet Ti and Pallet Hi	Pallet GTIN High	quantityOfCompleteLayersContainedInATradeItem	R	
35	Pallet Ti and Pallet Hi	Pallet GTIN Tie	quantityOfTradeItemsContainedInACompleteLayer	R	
36	Pallet Ti and Pallet Hi	Total Pallet Quantity	quantityOfTradeItemsPerPallet	R	
37	Shelf Life	Shelf Life from Production	minimumTradeItemLifespanFromTimeOfProduction	M	In Days
38	Storage Temperature Max and Min with UoM	Storage Temp From	temperatureQualifierCode(STORAGE_HANDLING) & minimumTemperature & UOM	C	Range is preferred, but at minimum, "From" or "To" is required.
39		Storage Temp To	temperatureQualifierCode(STORAGE_HANDLING) & maximumTemperature & UOM	C	Range is preferred, but at minimum, "From" or "To" is required.
40	Packaging Dates	Type of Date on Packaging	tradeItemDateOnPackagingTypeCode	R	
41	Target Market	Target Market	targetMarketCountryCode	M	
42	Country of Origin	Country Origin of Product	tradeItemCountryOfOrigin	M	
43	Catch Weight	Catch/Random Weight	isTradeItemAVariableUnit	M	

**Core Continued:**

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
44	Kosher, Vegan, Halal, Gluten-free etc.	Diet Type: COELIAC	dietTypeCode(COELIAC)	R	
45		Diet Type: DIETETIC	dietTypeCode(DIETETIC)	R	
46		Diet Type: FREE_FROM_GLUTEN	dietTypeCode(FREE_FROM_GLUTEN)	R	
47		Diet Type: HALAL	dietTypeCode(HALAL)	R	
48		Diet Type: KOSHER	dietTypeCode(KOSHER)	R	
49		Diet Type Subcode for KOSHER	dietTypeCode(KOSHER) & dietTypeSubcode	C	Mandatory if Diet Type Code Kosher is present
50		Kosher Certification Agency	certificationAgency for dietTypeCode(KOSHER)	R	
51		Kosher Certification id	certificationIdentification for dietTypeCode(KOSHER)	R	
52		Diet Type: VEGAN	dietTypeCode(VEGAN)	R	
53		Diet Type: VEGETARIAN	dietTypeCode(VEGETARIAN)	R	
54		Diet Type Subcode for VEGETARIAN	dietTypeCode(VEGETARIAN) & dietTypeSubcode	R	
55		Diet Type: WITHOUT_BEEF	dietTypeCode(WITHOUT_BEEF)	R	
56		Diet Type:WITHOUT_PORK	dietTypeCode(WITHOUT_PORK)	R	
57		Grow ing Method	Organic	grow ingMethodCode(ORGANIC)	R
58	Organic	Organic Claim Agency	organicClaimAgency	R	
59	Organic	Organic Trade Item Code	organicTradeItemCode	R	
60	Functional Name	Functional Name	functionalName	M	
61	Global Product Classification (GPC)	GPC Code	classificationCategoryCode	M	
62	Is the Item marked w ith a Batch/Lot Number?	Marked w ith Batch Number	hasBatchNumber	R	
63	Is Trade Item Consumer Unit?	Is it a Consumer Unit	isTradeItemAConsumerUnit	M	
64	Is Trade Item Invoice Unit?	Is it a Invoice Unit	isTradeItemAnInvoiceUnit	M	

**Core Continued:**

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
65	Is Trade Item Orderable?	Is trade Item Orderable	isTradeItemAnOrderableUnit	M	
66	Is Packaging marked as Returnable?	Is packaging marked as Returnable	isPackagingMarkedReturnable	M	
67	Is Item the Base Unit (Low est Packaging Level)	Is it a Base Unit	isTradeItemABaseUnit	M	
68	Is Trade Item Shipping Unit?	Is trade item shipping unit	isTradeItemADespatchUnit	M	
69	Is the Item marked as recyclable?	Is it marked as recyclable	isTradeItemMarkedAsRecyclable	R	
70	Are non-sold items returnable?	Are non-sold items returnable	isNonSoldTradeItemReturnable	R	
71	Item Availability Date	Item Availability Date	startAvailabilityDateTime	M	
72	CAB	Certified Angus Beef (CAB)	packagingMarkedLabelAccreditationCode(CERTIFIED_ANGUS_BEEF)	R	
73	Dangerous Goods	UN Dangerous Goods Number	unitedNationsDangerousGoodsNumber	R	
74	SDS	Material Safety Data Sheet	materialSafetyDataSheetNumber	R	
75	Links to websites, Images, Documents, Video, Audio Files	MSDS URL	uniformResourceIdentifier & typeOfInformation(MSDS_SHEET) & fileName & fileEffectiveStartDateTime	R	
76	Out-of-Box Dimensions	Out Of Box Depth	outOfBoxInformation/depth & UOM	R	
77		Out Of Box Height	outOfBoxInformation/height & UOM	R	
78		Out Of Box Width	outOfBoxInformation/width & UOM	R	
79	Packaging Information	Packaging Type	packagingTypeCode & UOM	R	
80		Material Code	packagingMaterialCode	R	
81		Composition Quantity & UOM	packagingMaterialCompositionQuantity & UOM	R	
82	Discontinue / Cancel Date	Discontinue Date	discontinuedDate	R	
83		Dependent Proprietary Trade Item	referencedTradeItemTypeCode(DEPENDENT_PROPRIETARY) & GTIN	R	

## Marketing:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Consumer Storage and Usage Information	Consumer Storage Information	consumerStorageInstructions	R	
2		Consumer Usage Information	consumerUsageInstructions	R	
3	Preparation & Cooking Instructions	Preparation and Cooking Suggestions	preparationInstructions	R	
4	Preparation & Cooking Instructions	Preparation Type	preparationTypeCode	R	
5	Benefits	Benefits	tradeItemMarketingMessage	R	
6	Manufacturer Expanded Product Description	Marketing Description	additionalTradeItemDescription	R	
7	Serving Suggestions	Serving Suggestions	servingSuggestion	R	
8	Growing Method	Cage Free	growingMethodCode(CAGE_FREE)	R	
9		Free Range	growingMethodCode(FREE_RANGE)	R	
10		Grass Fed	growingMethodCode(GRASS_FED)	R	
11		Humanely Raised	growingMethodCode(HUMANELY_RAISED)	R	
12	Packaging Marked Label Accreditation	Aquaculture Certification Council Certified	packagingMarkedLabelAccreditationCode(BEST_AQUACULTURE_PRACTICES)	R	
13		Fair Trade Certified	packagingMarkedLabelAccreditationCode(FAIR_TRADE_MARK)	R	
14		Packaging is marked with Green Dot	packagingMarkedLabelAccreditationCode(GREEN_DOT)	R	
15		Green Restaurant Association Endorsed	packagingMarkedLabelAccreditationCode(GREEN_RESTAURANT_ASSOCIATION_ENDORSED)	R	
16		Green Seal Certified	packagingMarkedLabelAccreditationCode(GREEN_SEAL_CERTIFIED)	R	
17		Marine Stewardship Council Certified	packagingMarkedLabelAccreditationCode(MARINE_STEWARDSHIP_COUNCIL_LABEL)	R	
18		Protected Harvest Certified	packagingMarkedLabelAccreditationCode(PROTECTED_HARVEST_CERTIFIED)	R	
19		Rainforest Alliance Certified	packagingMarkedLabelAccreditationCode(RAINFOREST_ALLIANCE)	R	
20		Is Trade Item packaging made from renewable resources	packagingRenewableContentTypeCode(RENEWABLE_CONTENT)	R	
21		Biodegradable	sustainabilityFeatureCode(BIODEGRADABLE)	R	
22		Is Product Compostable	packagingRecyclingProcessType(COMPOSTABLE)	R	

## Marketing Continued:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
23		Real California Milk	certificationAgency(RealCaliforniaMilk) + certificationStandard + certificationValue	R	
24		Real Seal (Dairy)	certificationAgency(RealSeal) + certificationStandard + certificationValue	R	
25		Antibiotic Free	additiveName & levelOfContainmentCode	R	
26		Contains Gelatin	additiveName & levelOfContainmentCode	R	
27		Food Alliance Certified	certificationAgency(FoodAllianceCertified) + certificationStandard + certificationValue	R	
28		No Added Synthetic Hormones	additiveName & levelOfContainmentCode	R	
29		Genetically Modified	geneticallyModifiedDeclarationCode	R	



## Nutrition:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Servings of the Trade Item Unit	Number of Servings per Package	numberOfServingsPerPackage	M	
2	Nutrient Label contents and measures	Preparation State	preparationStateCode	C	M if any Nutrients stated
3	Nutrition Fact Serving Size & UOM	Serving Size	servingSize & UOM	M	
4	Serving Size Text	Serving Size Description	servingSizeDescription	R	
5		Basis Type Code	nutrientBasisQuantityTypeCode	R	
6		Basis Quantity	nutrientBasisQuantity & UOM	R	
7	Nutrition Fact Serving Size Weight	Serving Size Weight in Grams	servingSizeWeight	R	
8	Ingredients English (& Spanish optional)	Ingredients	ingredientStatement	M	
9	Child nutrition label	Child Nutrition Flag	doesTradeItemCarryUSDAChildNutritionLabel(AVP) & nutritionLabelTypeCode (1)	R	
10		Child Nutrition Certification #	regulatoryPermitIdentification & regulatoryAct & regulatoryAgency	R	
11	Links to websites, Images, Documents, Video, Audio Files	Child Nutrition Label/URL	uniformResourceIdentifier & typeOfInformation & fileFormatName & fileName & fileEffectiveStartDateTime	R	
12	Nutrient Database Number	USDA Nutrient Database #	foodBeverageCompositionDatabaseCode(USDA) & foodBeverageCompositionCode	R	If valid value is provided product passes Nutrition audit
13	Nutrient Relevant Data Provided	Nutrient Relevant Data Provided	nutrientRelevantDataProvided(AVP)	R	If provided value is Yes product passes Nutrients audit
14	Nutrient Label contents and measures	Ash (mg)	nutrientTypeCode(ASH) & measurementPrecisionCode & quantityContained & UOM	R	
15	Nutrient Label contents and measures	Biotin % RDI USA	nutrientTypeCode(BIOT) & dailyValueIntakePercent	R	
16	Nutrient Label contents and measures	Calcium % RDI USA	nutrientTypeCode(CA) & dailyValueIntakePercent	M	
17	Nutrient Label contents and measures	Calcium (mg)	nutrientTypeCode(CA) & measurementPrecisionCode & quantityContained & UOM	R	
18	Nutrient Label contents and measures	Calories (Cal)	nutrientTypeCode(ENER-) & measurementPrecisionCode & quantityContained & UOM	M	
19	Nutrient Label contents and measures	Calories from Fat (Cal)	nutrientTypeCode(ENERPF) & measurementPrecisionCode & quantityContained & UOM	M	
20	Nutrient Label contents and measures	Carbohydrates	nutrientTypeCode(CHO-) & measurementPrecisionCode & quantityContained & UOM	M	
21	Nutrient Label contents and measures	Carbohydrates % RDI USA	nutrientTypeCode(CHO-) & dailyValueIntakePercent	M	

**Nutrition Continued:**

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
22	Nutrient Label contents and measures	Cholesterol % RDI USA	nutrientTypeCode(CHOL-) & dailyValueIntakePercent	M	
23	Nutrient Label contents and measures	Cholesterol (mg)	nutrientTypeCode(CHOL-) & measurementPrecisionCode & quantityContained & UOM	M	
24	Nutrient Label contents and measures	Copper % RDI USA	nutrientTypeCode(CU) & dailyValueIntakePercent	R	
25	Nutrient Label contents and measures	Folate (mcg)	nutrientTypeCode(FOL-) & measurementPrecisionCode & quantityContained & UOM	R	
26	Nutrient Label contents and measures	Insoluble Fibre	nutrientTypeCode(FIBINS) & measurementPrecisionCode & quantityContained & UOM	R	
27	Nutrient Label contents and measures	Insoluble Fibre % RDI USA	nutrientTypeCode(FIBINS) & dailyValueIntakePercent	R	
28	Nutrient Label contents and measures	Iodine % RDI USA	nutrientTypeCode(ID) & dailyValueIntakePercent	R	
29	Nutrient Label contents and measures	Iron % RDI USA	nutrientTypeCode(IE) & dailyValueIntakePercent	M	
30	Nutrient Label contents and measures	Iron (mg)	nutrientTypeCode(IE) & measurementPrecisionCode & quantityContained & UOM	R	
31	Nutrient Label contents and measures	Magnesium % RDI USA	nutrientTypeCode(MG) & dailyValueIntakePercent	R	
32	Nutrient Label contents and measures	Monounsaturated Fat	nutrientTypeCode(FAMS) & measurementPrecisionCode & quantityContained & UOM	R	
33	Nutrient Label contents and measures	Monounsaturated Fat % RDI USA	nutrientTypeCode(FAMS) & dailyValueIntakePercent	R	
34	Nutrient Label contents and measures	Niacin % RDI USA	nutrientTypeCode(NIA) & dailyValueIntakePercent	R	
35	Nutrient Label contents and measures	Omega 3 Acids	nutrientTypeCode(FAPUN3) & measurementPrecisionCode & quantityContained & UOM	R	
36	Nutrient Label contents and measures	Omega 6 Acids	nutrientTypeCode(FAPUN6) & measurementPrecisionCode & quantityContained & UOM	R	
37	Nutrient Label contents and measures	Other Carbohydrates	nutrientTypeCode(CHOAVL) & measurementPrecisionCode & quantityContained & UOM	R	
38	Nutrient Label contents and measures	Other Carbohydrates % RDI USA	nutrientTypeCode(CHOAVL) & dailyValueIntakePercent	R	
39	Nutrient Label contents and measures	Pantothenic Acid	nutrientTypeCode(PANTAC) & measurementPrecisionCode & quantityContained & UOM	R	
40	Nutrient Label contents and measures	Phosphorous % RDI USA	nutrientTypeCode(P) & dailyValueIntakePercent	R	
41	Nutrient Label contents and measures	Phosphorous (mg)	nutrientTypeCode(P) & measurementPrecisionCode & quantityContained & UOM	R	
42	Nutrient Label contents and measures	Polyunsaturated % RDI USA	nutrientTypeCode(FAPU) & dailyValueIntakePercent	R	
43	Nutrient Label contents and measures	Polyunsaturated Fat	nutrientTypeCode(FAPU) & measurementPrecisionCode & quantityContained & UOM	R	

**Nutrition Continued:**

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
44	Nutrient Label contents and measures	Potassium % RDI USA	nutrientTypeCode(K) & dailyValueIntakePercent	R	
45	Nutrient Label contents and measures	Potassium (mg)	nutrientTypeCode(K) & measurementPrecisionCode & quantityContained & UOM	R	
46	Nutrient Label contents and measures	Protein (mg)	nutrientTypeCode(PRO-) & measurementPrecisionCode & quantityContained & UOM	M	
47	Nutrient Label contents and measures	Riboflavin % RDI USA	nutrientTypeCode(RIBF) & dailyValueIntakePercent	R	
48	Nutrient Label contents and measures	RiboflavinB2 (mg)	nutrientTypeCode(RIBF) & measurementPrecisionCode & quantityContained & UOM	R	
49	Nutrient Label contents and measures	Saturated Fat	nutrientTypeCode(FASAT) & measurementPrecisionCode & quantityContained & UOM	M	
50	Nutrient Label contents and measures	Saturated Fat % RDI USA	nutrientTypeCode(FASAT) & dailyValueIntakePercent	M	
51	Nutrient Label contents and measures	Sodium % RDI USA	nutrientTypeCode(NA) & dailyValueIntakePercent	M	
52	Nutrient Label contents and measures	Sodium (mg)	nutrientTypeCode(NA) & measurementPrecisionCode & quantityContained & UOM	M	
53	Nutrient Label contents and measures	Soluble Fiber % RDI USA	nutrientTypeCode(FIBSOL) & dailyValueIntakePercent	R	
54	Nutrient Label contents and measures	Thiamin % RDI USA	nutrientTypeCode(THIA) & dailyValueIntakePercent	R	
55	Nutrient Label contents and measures	Total Dietary Fiber	nutrientTypeCode(FIBTSW) & measurementPrecisionCode & quantityContained & UOM	M	
56	Nutrient Label contents and measures	Total Dietary Fiber % RDI USA	nutrientTypeCode(FIBTSW) & dailyValueIntakePercent	M	
57	Nutrient Label contents and measures	Total Fat	nutrientTypeCode(FAT) & measurementPrecisionCode & quantityContained & UOM	M	
58	Nutrient Label contents and measures	Total Fat % RDI USA	nutrientTypeCode(FAT) & dailyValueIntakePercent	M	
59	Nutrient Label contents and measures	Total Folate % RDI USA	nutrientTypeCode(FOL-) & dailyValueIntakePercent	R	
60	Nutrient Label contents and measures	Total Sugar	nutrientTypeCode(SUGAR-) & measurementPrecisionCode & quantityContained & UOM	M	
61	Nutrient Label contents and measures	Transfatty Acids	nutrientTypeCode(FATRNL) & measurementPrecisionCode & quantityContained & UOM	M	
62	Nutrient Label contents and measures	Vitamin A IU % RDI USA	nutrientTypeCode(VITA-) & dailyValueIntakePercent	M	
63	Nutrient Label contents and measures	Vitamin B12 % RDI USA	nutrientTypeCode(VITB12) & dailyValueIntakePercent	R	
64	Nutrient Label contents and measures	Vitamin B6 % RDI USA	nutrientTypeCode(VITB6-) & dailyValueIntakePercent	R	
65	Nutrient Label contents and measures	Vitamin C % RDI USA	nutrientTypeCode(VITC-) & dailyValueIntakePercent	M	
66	Nutrient Label contents and measures	Vitamin C (mg)	nutrientTypeCode(VITC-) & measurementPrecisionCode & quantityContained & UOM	R	

**Nutrition Continued:**

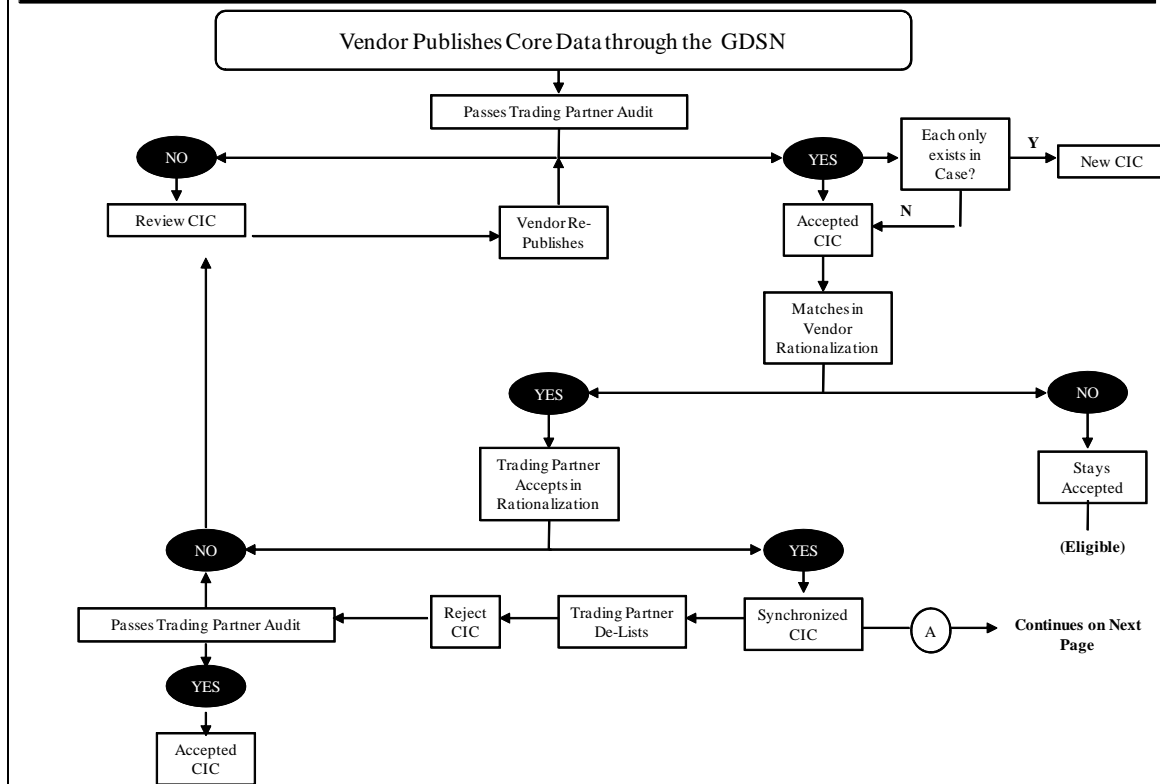
Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
67	Nutrient Label contents and measures	Vitamin D % RDI USA	nutrientTypeCode(VITD-) & dailyValueIntakePercent	R	
68	Nutrient Label contents and measures	Vitamin D (mcg)	nutrientTypeCode(VITD-) & measurementPrecisionCode & quantityContained & UOM	R	
69	Nutrient Label contents and measures	Vitamin E % RDI USA	nutrientTypeCode(VITE-) & measurementPrecisionCode & quantityContained & UOM	R	
70	Nutrient Label contents and measures	Vitamin K % RDI USA	nutrientTypeCode(VITK) & measurementPrecisionCode & quantityContained & UOM	R	
71	Nutrient Label contents and measures	Zinc % RDI USA	nutrientTypeCode(ZN) & dailyValueIntakePercent	R	
72	Nutrient Label contents and measures	Zinc (mg)	nutrientTypeCode(ZN) & measurementPrecisionCode & quantityContained & UOM	R	
73		Casein Free	additiveName & levelOfContainmentCode	R	
74		MSG Free	additiveName & levelOfContainmentCode	R	
75		Corn Free	allergenTypeCode (NM) & levelOfContainmentCode	R	
76	Allergen Relevant Data Provided	Allergen Relevant Data Provided	allergenRelevantDataProvided	R	If provided value is Yes product passes Allergens audit
77	Allergens	Allergen Agency	allergenSpecificationAgency	C	M if any Allergens stated
78		Allergen Regulation Name	allergenSpecificationName	C	M if any Allergens stated
79		Crustacean	allergenTypeCode (AC) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
80		Eggs	allergenTypeCode(AE) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
81		Fish	allergenTypeCode(AF) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
82		Milk	allergenTypeCode(AM) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
83		Tree Nuts	allergenTypeCode(AN) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
84		Wheat	allergenTypeCode(UW) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
85		Soy	allergenTypeCode(AY) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
86		Peanuts	allergenTypeCode(AP) & levelOfContainmentCode	C	If populating one allergen, please populate top 8
87		Sesame	allergenTypeCode(AS) & levelOfContainmentCode	R	
88		Sulphur Dioxide	allergenTypeCode(AU) & levelOfContainmentCode	R	
89		Celery	allergenTypeCode(BC) & levelOfContainmentCode	R	
90		Lupin	allergenTypeCode(NL) & levelOfContainmentCode	R	
91		Mollusks	allergenTypeCode(UM) & levelOfContainmentCode	R	
92		Mustard	allergenTypeCode(BM) & levelOfContainmentCode	R	

US Foods requests that if one allergen is populated, that all “top 8” Allergens be populated. If this request is not met, a warning will be incorporated in the 999 section of the CIC.

**Nutrition Continued:**

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
93	Drained Weight	Drained Weight	drainedWeight & UoM	R	
94	Nutritional Claim	Cholesterol Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(CHOLESTEROL)	R	
95		Dairy Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(DAIRY)	R	
96		Fat Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(FAT)	R	
97		Lactose Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(LACTOSE)	R	
98		Sodium Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT)	R	
99		Trans Fat Status	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(TRANS_FAT)	R	
100		Low Calorie	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CALORIE)	R	
101		Low Cholesterol	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CHOLESTEROL)	R	
102		Low Fat	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(FAT)	R	
103		Low Sodium	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT)	R	
104		Can your product termed Natural or All Natural	nutritionalClaimTypeCode(NATURAL)	R	
105		No Sugar Added	nutritionalClaimTypeCode(NO_ADDED) & nutritionalClaimNutrientElementCode(SUGARS)	R	
106		Reduced Fat	nutritionalClaimTypeCode(REduced_LESS) & nutritionalClaimNutrientElementCode(FAT)	R	
107		Reduced Sodium	nutritionalClaimTypeCode(REduced_LESS) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT)	R	

## CIC Messaging Examples



## Synchronized CIC Examples

