



# Dot Foods GDSN Implementation Guide





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## Overview

This document is intended for suppliers who will be sending product data to Dot Foods via the Global Data Synchronization Network (GDSN). Dot Foods requires all product data to be published via GDSN and requires suppliers to be registered with a GDSN Certified Data Pool. The guide below provides instructions on how to setup a GDSN connection with Dot Foods so we can receive product data. Please reach out to our GDSN team at [masterdata@dotfoods.com](mailto:masterdata@dotfoods.com) with any questions. They will connect you with your Master Data Analyst (MDA) to assist you throughout the process.

## Dot Foods GLN Information

Dot Foods' GLN – 0684476000001

## Dot Foods Data Synchronization Environment

GDSN Data Pool – 1WorldSync

For suppliers that have an existing 1WorldSync relationship, please utilize the Dot Foods Playlist. Using this playlist allows suppliers to see which attributes and values are requested by Dot Foods. 1WorldSync suppliers can interact with a playlist via the Enhanced view, FUSE Spreadsheet (for mass updates), or XML.

## Data Pools:

Data pools are where you can publish your items to Dot. If you do not yet have a data pool picked out, please use the link below to find a data pool. Dot utilizes 1WorldSync as its data pool.

[GDSN Certified Data Pools](#)

## Catalog Item Confirmation (CIC)

Dot Foods makes use of the CIC messages as follows:

- RECEIVED – Item has been received and passed initial validations.
- REVIEW – Supplier needs to review data provided. The confirmation message will include the error code and message from Dot Foods.  
**\*Review messages may be generated after the initial Received message if later validations detect errors.**
- SYNCHRONIZED – Item is synchronized with Dot Foods' internal systems.

## How to Get Started

1. Complete the Supplier GDSN Registration Form by clicking → [Dot Foods GLN Registration Form](#). Once the form is complete, reach out to your master data analyst.
2. Once your MDA confirms the setup is complete in Dot's system, please work with your data pool provider to publish all available items via GDSN. Inform your MDA once that is completed.
3. Your MDA will review the items published and provide an audit report which will show any non-compliant items or incomplete publications.
4. All necessary changes and corrections will need to be updated in your data pool and re-published via GDSN as initial load. **\*Notify your MDA if a GTIN change has been made.**

## Core Data Attributes

For a full list of attributes, please refer to the [GS1 Foodservice GDSN Attribute Guide](#).

[GS1 GDSN Attribute Guide](#)

Attribute	1WorldSync Name	XML Name
Alternate Item Number - Manufacturer Product Code	Alternate Item Identification Agency Alternate Item Identification ID	alternatItemIdentification/agency alternatItemIdentification/id
Brand	Brand Name	brandName
Country of Origin	Country Of Origin	tradelItemCountryOfOrigin
Data Carrier Type	Data Carrier Type Code	dataCarrierTypeCode
Dimensions	Height, Height UOM Width, Width UOM Depth, Depth UOM	height, height/uom width, width/uom depth, depth/uom
Functional Name	Functional Name	functionalName
Global Product Classification Code	Global Item Classification Code (GPC Code)	globalClassificationCategory/code
Gross Weight	Gross Weight, Gross Weight UOM	grossWeight, grossWeight/uom
GS1 Trade Item Key Code	GS1 Trade Item ID Key Code	gs1TradelItemIdentificationKeyCode
GS1 Trade Item Key Value	GS1 Trade Item ID Key Value	gs1TradelItemIdentificationKey/value
GTIN Code	Item ID	GTIN
GTIN Name	Item Name	gtinName
Manufacturer GLN	Manufacturer GLN	manufacturer/gln
Brand Owner GLN	Brand Owner GLN	brandOwnerGLN
Net Content	Net Content, Net Content UOM	netContent, netContent/uom
Net Weight	Net Weight, Net Weight UOM	netWeight, netWeight/uom
Non-Pallet TI/Hi – Required at all <b>non-pallet level GTINs</b>	Number of Trade Items Per Pallet Layer/Non GTIN Pallet Ti Number of Complete Layers Contained in Item/Non GTIN Pallet Hi	nonGTINPalletTi nonGTINPalletHi
Pallet TI/Hi- Required at the <b>PALLET level GTIN</b>	Number of Items in a Complete Layer/GTIN Pallet Ti Number of Complete Layers Contained in Item/GTIN Pallet Hi	Ti hi
Product Descriptions	Short Description / POS Desc. 1 Product Description	shortDescription productDescription
Product Type	Product Type	productType
Lifespan from Production Lifespan from Arrival	Min Product Lifespan from Production (Days) Min Product Lifespan from Arrival (Days)	minimumTradelItemLifespanFromProduction minimumTradelItemLifespanFromArrival
Storage Temperature	Temperature Qualifier Code – Trade item is being stored or handled Maximum Temperature/UOM Minimum Temperature/UOM	tradelItemTemperatureInformation/temperatureQualifierCode tradelItemTemperatureInformation/maximumTemperature storageHandlingTempMax/uom tradelItemTemperatureInformation/minimumTemperature storageHandlingTempMin/uom
Target Market	Target Market	targetMarket
Unit Indicators	Base Unit Indicator Consumer Unit Indicator Dispatch Unit Indicator Invoice Unit Indicator Ordering Unit Indicator Variable Weight Trade Item	isBaseUnit isConsumerUnit isDispatchUnit isInvoiceUnit isOrderableUnit isVariableWeightItem
Unmarked Inners	Inner Pack Quantity of Next Level GTIN within Inner Pack Individual Unit Max Individual Unit Max UOM Individual Unit Min Individual Unit Min UOM	InnerPack quantityOfNextLevelTradelItemWithinInnerPack individualUnitMax individualUnitMaxUOM individualUnitMin individualUnitMinUOM



## Marketing and Nutrition Attributes (M&N Data)

Attribute	1WorldSync Name	XML Name	Comments
<b>Marketing</b>			
Marketing Message/Benefits	Marketing Message	tradeItemMarketingMessage	Required
<b>Images</b>			
Information Type	Referenced File Type Code	typeOfInformation	*Required (at least 1 PRODUCT_IMAGE) *Required (e.g. JPG, GIF, BMP, or PNG) *Required if uploading image as URL *Required if uploading image as URL
File Format	File Format Name	fileFormatName	
URL	Uniform Resource Identifier	uniformResourceIdentifier	
File Name	File Name	fileName	
<b>Storage</b>			
Storage	Consumer Storage Instructions	consumerStorageInstructions	Required for food items
<b>Ingredients Summary</b>			
Ingredients	Ingredients Statement	ingredientStatement	Required for food items
<b>Preparation</b>			
Preparation Type	Preparation Type	preparationType	
Preparation Instructions	Preparation Instructions	preparationInstructions	Required for food items
<b>Nutritional Information</b>			
Serving Size, UOM	Serving Size & Serving Size UOM	servingSize, servingSizeUoM	Required for food items
Serving Size Description	Serving Size Description	servingSizeDescription	Required for food items
Servings per Container	Number Of Servings Per Package	numberOfServingsPerPackage	Required for food items
Nutrition Facts	Serving Size Preparation State Measurement Precision Nutrient Type Code Percentage of Daily Value Intake Nutrient Quantity Contained Nutrient Quantity Contained UOM	preparationState measurementPrecision nutrientTypeCode percentageOfDailyValueIntake quantityContained quantityContainedUoM	Required for food items
<b>**Allergens</b>	Allergen Specification Agency Allergen Specification Name Allergen Type Code Level of Containment Allergen Relevant Data Provided	allergenSpecificationAgency allergenSpecificationName allergenTypeCode levelOfContainment isAllergenRelevantDataProvided	<b>Please see additional note below regarding allergens</b>
<b>Additional Information</b>			
Child Nutrition Label	Does Trade Item Carry USDA Child Nutrition Label	doesTradeItemCarryUSDAChildNutritionLabel	Publish if applicable
Diet Type	Diet Type Code	dietTypeCode	Publish if applicable
Organic	Organic Claim Agency & Organic Trade Item Code	organicClaimAgency & organicTradeItemCode	Publish if applicable
Genetically Modified	Genetically Modified Declaration Code	geneticallyModifiedDeclarationCode	Publish if applicable
Non-GMO Project Verified	Packaging Marked Label Accreditation Code/Non GMO Project	packagingMarkedLabelAccreditationCode	Publish if applicable

**\*\*The Major Food Allergens include: Peanuts, Tree Nuts, Eggs, Milk, Fish, Molluscs or Crustacean or shellfish (any of the three can be published to count as complete for that allergen), Soy, Sesame Seeds and Wheat. The *isAllergenRelevantDataProvided* attribute must be published and set to *true* if a claim is not made for ALL of the Major Food Allergens.**



## Image Notes

Images are among the top customer-requested Marketing & Nutritional attributes. Providing quality images can drive customer interest in your item offering and set your products apart from competitors. Please review the [Dot Foods Image Requirements document](#) for additional information.

## Nutrition Notes

The data attribute “nutrientTypeCode” is a coded value that Dot Foods will validate. Dot follows and validates based on the INFOODS guidelines of accepted unit of measures. Some of the common codes, their descriptions, and standard units-of-measure are shown below.

Label	Code	UOM
Alcohol	ALC	GRM
Ash (g)	ASH	GRM
Biotin (mcg)	BIOT	MCG
Calcium (mg)	CA	MGM
Caffeine (mg)	CAFFN	MGM
Calories (cal)	ENER- or ENERC	E14 or KJO
Calories from Fat (cal)	ENERPF	E14 or KJO
A-Beta Carotene (mg)	CARTB	MGM
Carbohydrates (g)	CHO-	GRM
Cholesterol (mg)	CHOL-	MGM
Copper (mg)	CU	MGM
Monounsaturated Fat (g)	FAMS	GRM
Polyunsaturated Fat (g)	FAPU	GRM
Omega 3 Fatty Acids	FAPUN3	GRM
Omega 6 Fatty Acids	FAPUN6	GRM
Saturated Fat (g)	FASAT	GRM
Total Fat (g)	FATNLEA	GRM
Trans fatty Acids (g)	FATRAN	GRM
Insoluble Fiber (g)	FIBINS	GRM
Soluble Fiber (g)	FIBSOL	GRM
Total Dietary Fiber (g)	FIBTSW	GRM
Folate (mcg)	FOL- or FOL	MCG
Iron (mg)	FE or HAEM	MGM
Iodine (mcg)	ID	MCG

Label	Code	UOM
Potassium (mg)	K	MGM
Magnesium (mg)	MG	MGM
Sodium (mg)	NA	MGM
Niacin-B3	NIA	MGM
Niacin Equiv. (mg NE)	NIAEQ	MGM
Organic Acid	OA	GRM
Phosphorous (mg)	P	MGM
Pantothenic Acid (mg)	PANTAC	MGM
Protein (g)	PRO-	GRM
Riboflavin-B2 (mg)	RIBF	MGM
Starch (g)	STARCH- or STARCH	GRM
Sugar Alcohol	POLYL	GRM
Total Sugar (g)	SUGAR- or SUGAR	GRM
Thiamin-B1 (mg)	THIA	MGM
Vitamin A (IU)	VITA-	MCG
Vitamin A (mcg)	VITA	MCG
Vitamin B6 (mg)	VITB6-	MGM
Vitamin B12 (mcg)	VITB12	MCG
Vitamin C (mg)	VITC- or VITC	MGM
Vitamin D (mcg)	VITD-	MCG
Vitamin E (mg)	VITE-	MGM
Vitamin K (mcg)	VITK	MCG
Water (g)	WATER	GRM
Zinc (mg)	ZN	MGM

## Pack Size Information

Dot uses the published pack size to generate the product descriptions on our [ecommerce website](#)

- Assign and publish GTINs to all levels of packaging. The net content at the lowest level of the hierarchy will be the size. The number of units at the higher levels will determine the pack.
  - Example: Consumer unit GTIN published net content is “4 ounces.” Inner pack GTIN published is “6” units (the number of consumer unit items within one inner pack). Case GTIN published is “2” units (the number of inner pack items within one case). In this example, the pack size is 2-6-4 OZ.



- If the cases contain inner packs that are not barcoded, use the following GDSN fields to send the unmarked “contents” of the GTIN:
  - Inner Pack Quantity (No GTIN Assigned)
  - Item in Inner Pack Quantity (No GTIN Assigned)
  - Individual Unit Measures – Min/Max and Unit of Measure
    - Example: A bulk pack item that is a 4-5 lb. case. Inner pack quantity published is “4.” Individual unit min/max published is “5 pounds.”
    - Example: A case of 4 steaks where the size of the individual item is a range (12-14oz.). Inner pack quantity published is “4.” Individual unit min published is “12 ounces,” and individual unit max published is “14 ounces.”

## Physical Item Audit

Dot Foods conducts physical audits of case information to verify and improve the quality of information received via GDSN. The attributes that are being verified are:

- GTIN/Barcode – Mismatch, Will not scan, and No GTIN
- Case Dimensions – Height, Width, and Depth
- Case Gross Weight

The audit results are integrated with the GDSN data to report and manage discrepancies using both CIC (Catalogue Item Confirmation) messages and reports/scorecards. The case dimension and gross weight audit data is obtained from the CubiScan® equipment. The scanned audit values are then checked against the corresponding GDSN values. The tolerances being used by Dot Foods are the GS1 US recommended tolerance values.

Attribute	GS1 Industry Tolerance	Attribute	GS1 Industry Tolerance	Notes
<b>Dimensions (Height, Width, Depth)</b>		<b>Gross Weight</b>		
Frozen Goods	5%	Frozen Goods	6%	
Refrigerated Goods	4%	Refrigerated Goods	4%	
Dry/Shelf Stable Goods	4%	Dry/Shelf Stable Goods	4%	
Small item	.25 in	Small Item	.20 lb.	Dimensions less than 6.25”
High Cube Low Weight	Temperature Tol.	High Cube Low Weight	.50 lb.	Volume greater than 1.75 cubic feet with weight less than 12 lb
Paper Product	5%	Paper Product	9%	Product in flexible plastic packaging and/or corrugated case
Large Flexible Item (Bag)	1.25 in	Large Flexible Item (Bag)	4%	Flexible packages with declared net content greater than 15 lb

## Temperature Information

The below is how Dot calculates the storage code on an item based on the published storage temperatures. Actual storage code may vary.

Storage Temp Min	Storage Temp Max	Storage Code
≤27	≤70	Frozen
>27	≤70	Refrigerated
≤70	>70	Dry/Shelf Stable