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The Global Language of Business

Foodservice

GDSN Attribute Guide

Release 1.31 Feb 23 2018

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About GS1 US

GS1 US®, a member of GS1 global, is a not-for-profit information standards organization that facilitates industry collaboration to help improve supply chain visibility and efficiency through the use of GS1 Standards, the most widely-used supply chain standards system in the world. Nearly 300,000 businesses in 25 industries rely on GS1 US for trading-partner collaboration that optimizes their supply chains, drives cost performance and revenue growth while also enabling regulatory compliance. They achieve these benefits through solutions based on GS1 global unique numbering and identification systems, barcodes, Electronic Product Code-based RFID, data synchronization, and electronic information exchange. GS1 US also manages the United Nations Standard Products and Services Code® (UNSPSC®).

About Foodservice GS1 US Standards Initiative

The Foodservice GS1 US Standards Initiative serves as a strategic effort in which industry trade associations and individual companies may choose to join on a voluntary basis to assist with their company's adoption and implementation of GS1 Standards. Nothing herein should be construed as constituting or implying an agreement among foodservice companies to adopt or implement GS1 Standards. Nothing herein should be construed as constituting or implying an agreement regarding any company's prices, output, markets, or dealings with customers and suppliers. Nothing herein is inconsistent with the proposition that each participating company must and will exercise its independent business judgment on all standards adoption.

Document Summary

Document Item	Current Value
Document Title	Foodservice GDSN Attribute Guide
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Document Description	Supplements the formal GS1 Global Data Synchronization Network (GDSN) standards with advice on their implementation and operation as related to the Foodservice Initiative of GS1 US.

Log of Changes

Release Number -- Date	Change
R1.0 – Dec 17 2015	Initial release/publication.
R1.1 – Apr 03 2016	Updated terminology and definitions in *Section 1.6 Cardinality Terminology for Attributes*, and all instances of the associated terminology throughout the document.
R1.2 – Mar 27 2017	Added *Section 1.9 The GS1 US Attribute Explorer* to the document, and removed Sections 3, 4 and 5 (to be published in their own document).
R1.3 – Jan 31 2018	Corrected errata Updated 2.2.1 *Allergen Relevant Data Provided* Updated *Allergens (4 of 4) – levelOfContainment* for the new code "30" to represent when an item does not contain a specific allergen but neither specific testing nor analysis has been conducted to state that the item is free from the allergen Added seven (7) attributes for *Child Nutrition Information* (childNutritionExpirationDateTime; childNutritionLabelDocument; childNutritionLabelStatement; childNutritionProductIdentification; childNutritionQualifiedValue; childNutritionQualifierCode; childNutritionValue) Added *Consumer Instructions - consumerUsageLabelCode* Updated *DVI Intake* data type description (for length) Deleted *Is Trade Item Biodegradable?* attribute Added *Is Trade Item Reinstated?* attribute Updated *Marketing Message* data type description Update *Nutrient Label Contents & Measures (3 of 9) – nutrientValueDerivation* module Update *Nutrient Label Contents & Measures (8 of 9) – dailyValueIntakePercentMeasurementPrecisionCode* module Updated *Nutrient Relevant Data Provided* module and attribute name Deleted *Nutrition Fact Serving Size & UOM - servingSizeWeight* Deleted *Package Marks (3 of 3) - extendedTradeItemDateOnPackagingTypeCode* Added seven (7) attributes for *Product Formulation (creditableIngredientTypeCode; doesTradeItemMeetWholeGrainRichCriteria; productFormulationStatementDescription; productFormulationStatementDocument; totalCreditableIngredientTypeAmount; totalPortionWeightAsPurchased; yieldServingsPerUnit)* Added eighteen (18) attributes for *Safety Data Sheet (chemicalIngredientConcentrationLowerValue; chemicalIngredientConcentrationMeasurementPrecision;*

Release Number -- Date	Change
	chemicalIngredientConcentrationUpperValue; chemicalIngredientOrganisation; firstAidProceduresDescription; flashPointDescriptor; flashPointTemperature; flashPointTemperatureLowerValue; flashPointTemperatureMeasurementPrecision; flashPointTemperatureUpperValue; isProductClassifiedAsNonHazardous; lowerExplosiveLimit; physicalFormDescription; sDSSheetNumber; sDSStandardCode; sDSStandardVersion; upperExplosiveLimit; volatileOrganicCompoundPercentMeasurementPrecision) Updated *LevelOfContainment* Code List Updated *TradeItemDateOnPackagingType* Code List with definitions for DISPLAY_UNTIL_DATE and LAST_SALE_DATE
R1.31 – February 23 2018	Corrected definition of VEGAN in *DietTypeCode* List

1   Introduction

This document supplements the *Foodservice GS1 US Standards Initiative's Attribute Spreadsheets*. The spreadsheets list the Foodservice GS1 US Standards Initiative implementation of GS1 Global Data Synchronization Network™ (GDSN®) standards. This document provides advice on the implementation and operation of these attributes. This document is in no way normative or definitive and is not a standard. It includes implementation guides for a variety of the more complicated issues encountered when implementing the GDSN attributes as outlined by the Initiative. It seeks to increase consistency and ease of implementation by explaining the standards and providing real-world examples.

✅ **Note**: As with all GS1 Standards and solutions, the *Foodservice GDSN Attributes Guide* is voluntary, not mandatory. It should be noted that use of the words "must" and "require" throughout this document relate exclusively to technical recommendations for the proper application of the standards to support the integrity of your implementation.

1.1   Who Will Use this Document?

Business users who are implementing or operating GDSN may use this document to supplement the formal GS1 GDSN standards with additional guidance. This document is aimed primarily at business users who need to understand the data content or process standards. Technical users involved with implementation may also find topics of interest.

1.2   Scope of this Document

The scope is the data and processes for the synchronization of Trade Items within the GDSN by the Foodservice GS1 US Standards Initiative ("the Initiative"). In this version of the document, the scope is limited to the attributes as defined by the Initiative. While there are other attributes available in GDSN, they will only be in scope for this document if defined for use by the Initiative.

If you need additional training or advice, please contact your solution provider, data pool, or GS1 US®.

1.3   Background

This document will specifically detail the attributes to be used by members of the Initiative when populating GDSN. It does not discuss the use of other GS1 Standards or the basic operation and structure of GDSN. These topics are covered in other guidance document. It is understood that the reader or user of this guide is familiar with the content of these other guides. Other guides which should be read prior to reading this guide are:

- Foodservice Product and Location Implementation Guide
- GS1 US Foodservice Implementation Guide

These guides can be found in the *Tools and Resources* section of the GS1 US Foodservice website.

1.4   Code Lists

The GDSN Trade Item Document utilizes GS1® defined code lists as well as externally managed code lists (e.g., UNCEFACT, ISO, etc.). Code lists used in GDSN are managed outside of the schema due to both frequency of update and requirements that vary between target markets.

There are several externally managed code lists, which are used in several areas of the schema to provide code values. The table below lists of some of these externally managed code lists.

Table 1-1 Externally Managed Code Lists

Code List	Comments
IS0 639-1	Codes for the representation of names of languages. Available for purchase at the following website: https://www.iso.org/iso-639-language-codes.html
ISO 3166-1	Part 1 – Country Codes (Three Digit Format) Available for purchase at the following website: https://www.iso.org/iso-3166-country-codes.html
ISO 3166-2	Part 2 – Alpha Country Subdivision. Available for purchase at the following website: https://www.iso.org/standard/63545.html
ISO 4217	Codes for the representation of currencies and funds. Available for purchase at the following website: www.iso.org/iso/en/prods-services/popstds/currencycodes.html

1.5   Element Naming

All Module and Class names used in the GDSN Schema have no spaces and all words in the name are capitalized. For example:

> TradeItemDescritionModule

> AllergenInformation

All attribute names used in the GDSN Schema have no spaces and all words in the name are capitalized with the exception of the first word. For example:

> globalLocationNumber

> uniqueCreatorIdentification

1.6   Cardinality Terminology for Attributes

For data synchronization, attributes have a characteristic which details if the attribute must be populated or not. This characteristic is the attribute's cardinality. While GDSN has determined the cardinality of the attributes overall, the Foodservice Initiative has determined cardinality over and above that assigned by GDSN. For example, if GDSN has assigned an attribute as optional, the Initiative might have determined the attribute might need to be populated for a use case they have. This determination does not prescribe any need or eliminate the ability to require population of any attribute by a data recipient.

The cardinality of an attribute is listed in this guide in the description section of each attribute. Cardinality term definitions are provided below.

- **GDSN Mandatory** - These attributes are mandatory or core attributes for the GDSN Message. A message cannot be published without these elements.

- **Dependent** - Dependent attributes become GDSN Mandatory based on the population of another attribute, or based on the value populated for another attribute. These dependencies are driven either by validation rule or by invoking a class (or group) of attributes.

- **Required** - The Foodservice GS1 US Standards Initiative recommends these minimum attributes for the GDSN message. A message may not be accepted by a trading partner if these attributes are not completed.

- **Voluntary/Optional** - While these attributes are not GDSN Mandatory or Required, they add value to the retail grocery industry, and consequently may be requested by trading partners.

1.7   GS1 US Foodservice Attribute Guidance

The following sections provide implementation guidance on those topics that are frequently discussed within the GDSN community. These practices are common to members of the Initiative in the US target market. This section of the document includes information about use of the GDSN attributes which have been defined for use by the Initiative.

For more guidance and updated references for these and other topics, please refer to the *GDSN Trade Item Implementation Guide*.

1.8   Package Measurement Rules

The package measurement rules were originally titled "GDSN Package Measurement Rules." The document is in process of being renamed to be the "GS1 Package Measurement Rules."

■ The Global Data Dictionary (GDD) has not yet been updated for the title change, and therefore GDD definitions throughout this document use the original title (i.e., *GDSN Package Measurement Rules*).

■ However, the Foodservice common definitions and guidance throughout this document use the new title (i.e., *GS1 Package Measurement Rules*).

These documents are one and the same. There are changes underway in the GS1 Standards workgroups to update the naming of the document in the GDD Definitions. Once this work is complete, the GDD definitions in this guidance will be updated accordingly. The package measurement rules can be found here.

1.9   GS1 US Attribute Explorer

GS1 US Attribute Explorer® is a centralized, web-based repository that houses thousands of attributes, and is designed to:

■ Help industry trading partners search and discover the attributes found in both the GDD and GS1 US industry guidelines

■ Aid users in understanding the breadth and depth of all available/standardized attribute values

■ Familiarize industry participants with the attributes found in the global GS1 System of Standards and
within GS1 US Retail Grocery, Foodservice, Healthcare, and Apparel/General Merchandise industry
guidelines

GS1 US Attribute Explorer helps enable partners to search, discover, and deliver the accurate, complete, and authentic product information required to optimize their supply chain business processes, drive consumer interest, and influence purchase decisions.

Successful trading partner collaboration requires accurate product data. Supply chain members need a single product data resource; one that is easy-to-use and provides access to a consistent, clear, and dependable set of product attribute information. When it comes to product attribute data definition and use, end-users do not want to "re-invent" the wheel; they want to be able to use one tool to easily search, find, and access a set of standardized industry attributes. Furthermore, consumers use product information and images to help them make informed purchasing decisions.

Trusted, accurate, complete, and standardized product attributes are indispensable to influencing the consumer's buying decisions, but have historically been one of the most complex and frustrating information exchanges for suppliers and their retail trading partners. The exponential growth of e-commerce and the consumer's desire for a seamless shopping experience have further complicated attribute management to new levels. Industry wants a better way to manage the search and discovery of the ever-growing product attribute universe.

1.9.1 Who Will Benefit and Why

Increased supply chain collaboration, advancing technology, growing regulatory requirements, and expanding consumer demand have combined to create an unprecedented need for accurate, authentic product information—fueling today's attribute explosion. With each passing day, trading partners are looking for ways to streamline their product attribute search and discovery process—retailers, marketplaces, suppliers, brand owners, and manufacturers need a simple-to-use tool that helps them find the standardized attributes they need to do business better.

GS1 US Attribute Explorer helps to enable trading partners to search, discover, and deliver the accurate, complete, and authentic product information required to optimize their supply chain business processes, drive consumer interest, and influence purchase decisions. Having a single attribute view will help trading partners harmonize their product data, eliminate inaccuracies, and reduce implementation time.

1.9.2 Features

Industry wants a better way to manage the search and discovery of the ever-growing product attribute universe. GS1 US Attribute Explorer delivers the single attribute view trading partners need to help them harmonize their product data, eliminate inaccuracies, and reduce implementation time.

Features	GS1 US Attribute Explorer
GS1 Global Data Dictionary (attribute data dictionary)	✔
Search lookup definition— Global Data Dictionary	✔
Industry-specific filtering— Global Data Dictionary	✔
GS1 US Industry Initiatives (attribute data dictionary)	✔
Search lookup definition— GS1 US Industry Initiatives	✔
Industry-specific filtering— GS1 US Industry Initiatives	✔

2 Foodservice GS1 US Standards Initiative GDSN Attributes

The document is broken down alphabetically by attribute group based on the Common Name of the group as defined by the Initiative t help users look up information quickly. This may differ from how a data pool might actually present attributes to a date source for population or to a data recipient for use.

2.1 Allergen Statement

2.1.1 Basic Information

- GDSN Module - AllergenInformationModule
- GDSN Content - Attribute
- Global Data Dictionary (GDD) Attribute Name - allergenStatement
- Data Type - Description1000 (Free Text 1-1000 Characters) (Language Qualified)
- GDSN Required - Optional, can be repeated
- Foodservice Best Practice - Voluntary/Optional
- Foodservice Common Definition - This is a textual string containing the full allergen statement as is printed on the items package.

- GDD Definition - Textual description of the presence or absence of allergens as governed by local rules and regulations, specified as one string. Allows for the representation of the same value in different languages.

2.1.2   Foodservice GS1 US Standards Initiative Guidance

The value(s) populated would be the full allergen statement as it appears on the side of the package. This can be specified in multiple languages, and can be repeated with multiple values for each languages.

See the ISO Language Code List for the language codes that may be used for this attribute.

2.2   Allergen Relevant Data Provided

2.2.1   Basic Information

- GDSN Module - AllergenInformationModule
- GDSN Content - Attribute
- GDD Attribute Name - isAllergenRelevantDataProvided
- Data Type – Non-Binary Logic Code
- GDSN Required - Optional
- Foodservice Best Practice - Voluntary/Optional
- Foodservice Common Definition - A flag indicating that all of the relevant or required allergen information has been provided. Population of a positive value precludes the need to provide all of the Big 8 allergen information.
- GDD Definition - Allergen Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations.

2.2.2   Foodservice GS1 US Standards Initiative Guidance

This is an indicator which signifies that all allergen information populated in the GDSN message is complete. The completion of the information is based on what is required to appear on the label and what is relevant to be provided. For example:

- Lactose in Milk, or Peanuts in Peanut Butter- it is not required to be provided on the label for the item as they are inherent in the item.
- Shellfish in Milk - The processing of milk does not mingle or come near shellfish (in most cases) and therefore testing or determination of shellfish as an allergen or irritant is not relevant.

If this attribute has a value of TRUE, recipients should accept the values in the GDSN message as a complete set of allergen attributes for the item. No other value but TRUE need to be passed.

There is an AVP solution in place until such time as the GDSN deploys a final solution in a future release. The final solution will mirror the AVP solution for easy migration.

See the Non-Binary Logic Enumeration Code List for the codes that may be used for this attribute.

2.3   Allergens (1 of 4) - allergenSpecificationAgency

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. These attributes are in a group and as such can be repeated as a group for as many allergens as need to be

detailed. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- allergenSpecificationAgency

- allergenSpecificationName

- allergenTypeCode

- levelOfContainment

This section is for the attribute allergenSpecificationAgency.

2.3.1   Basic Information

- GDSN Module - AllergenInformationModule

- GDSN Content - Attribute

- GDD Attribute Name - allergenSpecificationAgency

- Data Type - string (Text 70 Characters)

- GDSN Required - Optional

- Foodservice Best Practice – Required for Food Items Only, Agency should be the FDA and Allergens should be the "Big 8" as minimum. Other Allergen Statements are Voluntary/Optional.

- Foodservice Common Definition - The regulatory agency name who controls the Allergen definition used. This group of attributes can be repeated for as many allergens as are applicable to the Trade Item.

- GDD Definition - Agency that controls the allergen definition.

2.3.2   Foodservice GS1 US Standards Initiative Guidance

Agency should be FDA (for the US) and Allergens would be the "Big 8" as a minimum. Other Allergen agencies are Voluntary/Optional. When synchronizing outside the US, other allergen type codes and agencies should be populated as required by that target market.

While FDA would be the default agency, if an allergen definition from another agency is utilized, that agency should be populated in this attribute. The definition of what each allergen is and the level to which needs to be reported are governed by the allergenSpecificationAgency.

2.4   Allergens (2 of 4) - allergenSpecificationName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. These attributes are in a group and as such can be repeated as a group for as many allergens as need to be detailed. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- allergenSpecificationAgency

- allergenSpecificationName

- allergenTypeCode

- levelOfContainment

This section is for the attribute allergenSpecificationName.

2.4.1   Basic Information

- GDSN Module - AllergenInformationModule

- GDSN Content - Attribute

- GDD Attribute Name - allergenSpecificationName

- Data Type - string (Text 70 Characters) (Free Text)

- GDSN Required - Optional

- Foodservice Best Practice – Required for Food Items only, Agency should be FDA and Allergens would be the "Big 8" as a minimum. Other Allergen Statements are optional.

- Foodservice Common Definition - Name and Version of the regulation or standard to define the allergen. This group of attributes can be repeated for as many allergens as are applicable to the Trade Item.

- GDD Definition - Free text field containing the name and version of the regulation or standard that contains the definition of the allergen.

2.4.2   Foodservice GS1 US Standards Initiative Guidance

This is the regulation or guidance name and version by which the allergen is defined. As a default for the agency FDA, the following value should be utilized "**Food Allergen Labeling and Consumer Protection Act of 2004**." Should an agency other than the FDA be referenced, the applicable regulation for that agency should be referenced.

2.5   Allergens (3 of 4) - allergenTypeCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. These attributes are in a group and as such can be repeated as a group for as many allergens as need to be detailed. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- allergenSpecificationAgency

- allergenSpecificationName

- allergenTypeCode

- levelOfContainment

This section is for the attribute allergenTypeCode.

2.5.1   Basic Information

- GDSN Module - AllergenInformationModule

- GDSN Content - Attribute

- GDD Attribute Name - allergenTypeCode

- Data Type - Code List

- GDSN Required - Mandatory (If Class invoked) (Class can be repeated for as many Allergens as need to be reported for the item.)

- Foodservice Best Practice – Required for Food Items only, Agency should be FDA and Allergens would be the "Big 8" as a minimum. Other Allergen Statements are optional.

- Foodservice Common Definition - Code indicating the type of allergen. This group of attributes can be repeated for as many allergens as are applicable to the Trade Item.

- GDD Definition - Code indicating the type of allergen.

2.5.2   Foodservice GS1 US Standards Initiative Guidance

The "Big 8" which need to be identified for items traded in the US are identified below (with the GSDN code/abbreviation in parentheses):

- **Milk (AM)**
- **Eggs (AE)**
- **Fish (AF)**
- **Shellfish (UN)**
- **Tree Nuts (AN)** (e.g., SA - Almond; SC - Cashew; SP - Pecan Nut; etc.)
- **Peanuts (AP)**
- **Wheat (UW)**
- **Soybeans (AY)**

See the allergenTypeCode List for the complete list of codes.

The definition of what each allergen is and the level to which needs to be reported are governed by the allergenSpecificationAgency.

For items traded in Canada, there are 2 additional allergens which need to be identified:

- Mustard (BM)
- Sesame Seeds (AS)

Voluntary/Optional Allergens include:

- Sulfites (AU)

2.5.3   Code List Values

See the allergenTypeCode List for the codes that may be used for this attribute.

2.6   Allergens (4 of 4) - levelOfContainment

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. These attributes are in a group and as such can be repeated as a group for as many allergens as need to be detailed. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- allergenSpecificationAgency
- allergenSpecificationName
- allergenTypeCode
- levelOfContainment

This section is for the attribute levelOfContainment.

2.6.1   Basic Information

- GDSN Module - AllergenInformationModule
- GDSN Content - Attribute
- GDD Attribute Name - levelOfContainment
- Data Type - Code List

- GDSN Required - Mandatory (If Class invoked) (Class can be repeated for as many Allergens as need to be reported for the item.)

- Foodservice Best Practice – Required for Food Items only, Agency should be FDA and Allergens would be the "Big 8" as a minimum. Other Allergen Statements are optional.

- Foodservice Common Definition - Code indicating the level of presence of the allergen. This group of attributes can be repeated for as many allergens as are applicable to the Trade Item.

- GDD Definition - Code indicating the level of presence of the allergen.

2.6.2   Foodservice GS1 US Standards Initiative Guidance

The Level of Containment attribute is a code list, which specifies the degree to which the allergen is present in the item. Current values are CONTAINS, MAY_CONTAIN, and FREE_FROM. These values have specific meanings and should not be confused:

- **30** is the value to use when an item does not contain a specific allergen; however neither specific testing nor analysis has been conducted to state that the item is free from the allergen. For example, a can of soda is manufacturered in a plant that only produces that soda. The recipe does not call for nor does the plant handle fish. The manufacturer does not specifically test for fish allergens. Since no analysis or testing has been completed for this allergen, it is not possible to state unequivocally that the item is FREE_FROM fish.

- **CONTAINS** is the value to use when an allergen is knowingly included or contained in an item. For example, a candy bar with peanuts, nougat, and chocolate knowingly has peanuts in it. As such, the allergen would be said to CONTAIN peanuts.

- **MAY_CONTAIN** is the value to use when an allergen might be present but is not knowingly included. For example, a milk chocolate candy bar is manufactured in a plant, which also Manufacturer's candy bars with Peanuts. While the milk chocolate bar does not have peanuts as an ingredient, it might pick up peanut dust from the air or crumbles from adjacent machinery. As such, the allergen would be said to MAY_CONTAIN peanuts.

- **FREE_FROM** is the value to use when it is known that an allergen is not contained in an item. For example, a breakfast cereal, which is made from a series of grains, has been tested or analysed for the presence of Wheat. The analysis has determined that the item does not contain Wheat. As such, the allergen would be said to be FREE_FROM Wheat.

2.6.3   Code List

See the levelOfContainment Code List for the codes that may be used for this attribute.

2.7   Are Non-Sold Items Returnable?

2.7.1   Basic Information

- GDSN Module - DeliveryPurchasingInformationModule
- GDSN Content - Attribute
- GDD Attribute Name - isNonSoldTradeItemReturnable
- Data Type - Boolean (Yes/No)
- GDSN Required - Optional
- Foodservice Best Practice - Voluntary/Optional
- Foodservice Common Definition - Identifies if a Manufacturer or Distributor will allow unsold quantities of to be returned.

- GDD Definition - Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a Y/N (Boolean) where Y equals right of return. This is at least relevant to General Merchandise, Publishing industry, and some FMCG Trade Items.

2.7.2   Foodservice GS1 US Standards Initiative Guidance

This is an indicator that any product which can not or has not been sold can be returned. This is independent of product, which has Passed Its Expiration or Best By dating.

2.8   Bar Code / Data Carrier

2.8.1   Basic Information

- GDSN Module - TradeItemDataCarrierAndIdentificationModule

- GDSN Content - Attribute

- GDD Attribute Name - dataCarrierTypeCode

- Data Type - Code

- GDSN Required - Optional (Required by validation rule for the US Target Market)

- Foodservice Best Practice - Mandatory

- Foodservice Common Definition - The type of data carrier or bar code physically present or visible on the Trade Item.

- GDD Definition - A code indicating the type of data carrier physically present on the Trade Item.

2.8.2   Foodservice GS1 US Standards Initiative Guidance

This attribute is a code which will detail which type of data carrier or barcode is visible on the particular Global Trade Item Number® (GTIN®). The values are representative of all GS1 System Data Carriers. For most items, this barcode or data carrier will contain the same GTIN as the GTIN on which the data is populated.

There are times when the visible barcode is from a lower level of the hierarchy. For example, an inner pack of 6 cans with a plastic ring around the top of the cans to hold them together (Hi-Cone). In this example, the barcode for the Pack GTIN is not visible, but the barcode for the Each GTIN is. The dataCarrierTypeCode for the Pack level would be the data carrier type of the Each level bar code.

Recipients will use this value to determine how their systems will interact with the Trade Item. If the Data Carrier of the GTIN is a Point of Sale (POS) carrier (e.g., EAN-8, EAN-13, UPC-A, and/or GS1 DataBar®), the item may be set up in those systems. POS systems are not set up to handle logistics carriers (e.g., GS1-128, ITF-14, and/or GS1 Data Matrix). The logistics carriers are more typically used in inventory, shipping and receiving, and transportation systems. Electronic Product Code / Radio Frequency Identification (EPC/RFID) tags are GS1 data carriers which utilize the GS1 Electronic Product Code (EPC®) standards to encode GTINs and serial information to identify the item. These tags can be used in either POS or Logistics environment and will have other means to determine their use.

To further assist in determining if an item is intended by the Manufacturer to be a POS unit, recipients can refer to the mandatory indicators for the GTIN. These indicators detail the intensions of the Manufacturer of a GTIN.

The mandatory GTIN indicators are presented in the table below.

Indicator	Indication noted	Eligibility for POS Unit	
isTradeItemABaseUnit	Defines the lowest unit GTIN in the packaging hierarchy	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAConsumerUnit	Defines the unit of end consumption	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAnInvoiceUnit	Defines if the GTIN can be used in invoices received from the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAnOrderableUnit	Defines if the GTIN can be used in orders placed with the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemADespatchUnit	Defines if the GTIN can be used in shipments sent from the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible

2.8.3   Code List

See the dataCarrierTypeCode List for the codes that may be used for this attribute.

2.9   Brand Name (1 of 4) - brandName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandName
- subBrand
- languageSpecificBrandName
- languageSpecificSubbrandname

This section is for the attribute brandName.

2.9.1   Basic Information

- GDSN Module - TradeItemDescriptionModule
- GDSN Content - Attribute
- GDD Attribute Name - brandName
- Data Type - string (Text 1 to 70 characters) (Free Text)
- GDSN Required - GDSN Mandatory
- Foodservice Best Practice - GDSN Mandatory
- Foodservice Common Definition - The most recognizable name to the end user as displayed on the product or its packaging. Ex: Farmer Brown's Choice
- GDD Definition - The recognisable name used by a Brand Owner to uniquely identify a line of Trade Item or services. This is recognizable by the consumer.

2.9.2   Foodservice GS1 US Standards Initiative Guidance

This is the main brand of the item as is denoted on the package and is determined by the Manufacturer of the product. A user of the item should be able to reasonably match the value provided for this attribute with a physical instance of the item.

When a Trade Item bears no branding, or no other identifying brand marks on the packaging, the item is considered to be "unbranded". For example, the item is packaged in a plain box bearing only a shipping label.

There can only be one instance of this attribute for a GTIN and should be populated in English.

2.10   Brand Name (2 of 4) - subBrand

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandName
- subBrand
- languageSpecificBrandName
- languageSpecificSubbrandname

This section is for the attribute subBrand.

2.10.1   Basic Information

- GDSN Module - TradeItemDescriptionModule
- GDSN Content - Attribute
- GDD Attribute Name - subBrand
- Data Type - string (Text 1 to 70 characters) (Free Text)
- GDSN Required - Optional
- Foodservice Best Practice - Voluntary/Optional
- Foodservice Common Definition - A value for a subordinate brand for the item. Not all items will have a SubBrand. The use and value populated for this attribute is entirely the discretion of the Brand Owner.
- GDD Definition - Second level of brand. Can be a trademark. It is the primary differentiating factor that a Brand Owner wants to communicate to the consumer or buyer. For example: Yummy-Cola Classic. In this example, Yummy-Cola is the Brand and Classic is the SubBrand.

2.10.2   Foodservice GS1 US Standards Initiative Guidance

This is a secondary brand of the item as is denoted on the package and is determined by the Manufacturer of the product. The SubBrand is a lower level than the Brand and may represent a secondary line of products under the Brand. A user of the item should be able to reasonably match the value provided for this attribute with a physical instance of the item.

When a Trade Item bears no secondary branding, this attribute is not to be populated.

There can only be one instance of this attribute for a GTIN and it should be populated in English.

2.11 Brand Name (3 of 4) - languageSpecificBrandName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandName
- subBrand
- languageSpecificBrandName
- languageSpecificSubbrandname

This section is for the attribute languageSpecificBrandName.

2.11.1 Basic Information

- GDSN Module - TradeItemDescriptionModule
- GDSN Content - Attribute
- GDD Attribute Name - languageSpecificBrandName
- Data Type - Description70 (Free Text 1-70 Characters) (Language Qualified)
- GDSN Required - Optional
- Foodservice Best Practice - Voluntary/Optional
- Foodservice Common Definition - Additional language specific instances of the brand name. Can only have one value per Language.
- GDD Definition - The recognizable name used by a Brand Owner to uniquely identify a line of Trade Item or services expressed in a different language than the primary brand name (brandName). Allows for the representation of the same value in different languages but not for multiple values.

2.11.2 Foodservice GS1 US Standards Initiative Guidance

This is the main brand of the item as is denoted on the package and is determined by the Manufacturer of the product represented in additional languages. A user of the item should be able to reasonably match the value provided for this attribute with a physical instance of the item.

When a Trade Item bears no branding, or no other identifying brand marks on the packaging, the item is considered to be "unbranded". For example: an item packaged in a plain box bearing only a shipping label. The term "unbranded" could be provided here in the additional languages.

There can only be one instance of this attribute for a GTIN per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.12 Brand Name (4 of 4) - languageSpecificSubbrandname

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandName
- subBrand
- languageSpecificBrandName
- languageSpecificSubbrandname

This section is for the attribute languageSpecificSubbrandname.

2.12.1 Basic Information

- GDSN Module - TradeItemDescriptionModule

- GDSN Content - Attribute

- GDD Attribute Name - languageSpecificSubbrandname

- Data Type - Description70 (Free Text 1-70 Characters) (Language Qualified)

- GDSN Required - Optional

- Foodservice Best Practice - Voluntary/Optional

- Foodservice Common Definition - Additional language specific instances of the SubBrand. Can only have one value per Language.

- GDD Definition - A second level of brand expressed in a different language than the primary SubBrand name (subBrand). Allows for the representation of the same value in different languages but not for multiple values.

2.12.2 Foodservice GS1 US Standards Initiative Guidance

This is the secondary brand of the item as is denoted on the package and is determined by the Manufacturer of the product represented in additional languages. A user of the item should be able to reasonably match the value provided for this attribute with a physical instance of the item.

When a Trade Item bears no secondary branding, this attribute is not to be populated.

There can only be one instance of this attribute for a GTIN per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.13   Catch Weight

2.13.1 Basic Information

- GDSN Module - VariableTradeItemInformationModule

- GDSN Content - Attribute

- GDD Attribute Name - isPackagingMarkedVariable

- Data Type - Boolean (Yes/No)

- GDSN Required - Mandatory

- Foodservice Best Practice - Required

- Foodservice Common Definition - An indicator identifying if the GTIN is not a fixed quantity item. The item can vary by any dimension and is not traded in discrete quantities.

- GDD Definition - Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be weight, length, volume. Trade Item is used or traded in continuous rather than discrete quantities.

2.13.2 Foodservice GS1 US Standards Initiative Guidance

This is an indication that the product is not a fixed quantity unit. Fixed quantity units cannot vary in weight, length, volume, count from one instance of the GTIN to another. Variable units can vary.

For example, a GTIN for bulk ham may be sold in variable weights. The GTIN is specific to the product, but the weight is specified on the order or Bill of Ladng (BOL). See the *GS1 General Specifications* for GTIN assignment rules for variable Trade Items. This attribute can be TRUE for several levels of the

hierarchy depending on the need and specific manner in which the hierarchy is built. This value is the same for all target markets and trading partners, and cannot be different from one to the next.

2.14   Certifications (1 of 5) - certificationAgency

This section provides guidance for a GDD attribute which is a part of a group of five (5) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The five attributes in this group are:

- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationAgency.

2.14.1 Basic Information

- GDD Module - CertificationInformationModule
- GDD Content - Attribute
- GDD Attribute Name - certificationAgency
- Data Type - string (Text 1-200 Characters)
- GDSN Required - Optional
- Foodservice Best Practice - Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition - The name of the Certification Agency which owns the certification standard for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition - Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.

2.14.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of certification being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the agency or certification body which manages the certification criteria against which the item has been certified.

2.15   Certifications (2 of 5) - certificationStandard

This section provides guidance for a GDD attribute which is a part of a group of five (5) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The five attributes in this group are:

- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationStandard.

2.15.1   Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationStandard
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The name of the certification standard, controlled by of the Certification Agency, for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- Name of the certification standard. Free text. Example: Egg classification.

2.15.2   Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of certification being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the certificationStandard.

2.16   Certifications (3 of 5) - certificationEffectiveStartDate

This section provides guidance for a GDD attribute which is a part of a group of five (5) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The five attributes in this group are:

- certificationAgency
- certificationStandard

- certificationEffectiveStartDate

- certificationEffectiveEndDate

- certificationIdentification

This section is for the attribute certificationEffectiveStartDate.

2.16.1 Basic Information

- GDD Module- CertificationInformationModule

- GDD Content- Attribute

- GDD Attribute Name- certificationEffectiveStartDate

- Data Type- DateTime

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The start date of the certification for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.

- GDD Definition- The date and time upon which the certification is effective.

2.16.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of certification being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the date and time upon which the item's certification begins. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is not a specific time for the certification to begin, enter zeroes for the time to signify the beginning of the day.

2.17 Certifications (4 of 5) - certificationEffectiveEndDate

This section provides guidance for a GDD attribute which is a part of a group of five (5) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The five attributes in this group are:

- certificationAgency

- certificationStandard

- certificationEffectiveStartDate

- certificationEffectiveEndDate

- certificationIdentification

This section is for the attribute certificationEffectiveEndDate.

2.17.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationEffectiveEndDate
- Data Type- DateTime
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The end date of the certification for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- The date and time upon which the certification is no longer effective.

2.17.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of certification being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the date and time upon which the item's certification ends or expires. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time at which the certification ends, enter zeroes for the time to signify the beginning of the day.

2.18 Certifications (5 of 5) - certificationIdentification

This section provides guidance for a GDD attribute which is a part of a group of five (5) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The five attributes in this group are:

- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationIdentification.

2.18.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationIdentification

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Identification or certification number for the certification standard, controlled by the Certification Agency, for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.

- GDD Definition- A reference issued to confirm that something has passed certification.

2.18.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of certification being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes an identification or certificate number assigned to the item's certification by the certification agency. If the item has such an identification number, it should be provided. If the certification does not have a specific identification number, this attribute does not need to be provided.

2.19   Chemical Ingredients (1 of 4) - chemicalIngredientName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- chemicalIngredientName

- chemicalIngredientConcentration

- chemicalIngredientConcentrationBasis

- rEACHChemicalRegistrationNumber

This section is for the attribute chemicalIngredientName.

2.19.1 Basic Information

- GDD Module- SafetyDataSheetModule

- GDD Content- Attribute

- GDD Attribute Name- chemicalIngredientName

- Data Type- string (Text 1-200 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The name of the chemical ingredient contained in the Trade Item. This group of attributes can be repeated for all chemical ingredients contained in the Trade Item under a specific chemical ingredient organization and list.

- GDD Definition- The common name of the chemical ingredient.

2.19.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is for the name of the chemical ingredient. The chemical's name is as specified by the chemical ingredient organization as specified in the attribute chemicalIngredientOrganisation.

2.20 Chemical Ingredients (2 of 4) - chemicalIngredientConcentration

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- chemicalIngredientName
- chemicalIngredientConcentration
- chemicalIngredientConcentrationBasis
- rEACHChemicalRegistrationNumber

This section is for the attribute chemicalIngredientConcentration.

2.20.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- chemicalIngredientConcentration
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Percentage concentration of the chemical ingredient in the item. This group of attributes can be repeated for all chemical ingredients contained in the Trade Item under a specific chemical ingredient organization and list.
- GDD Definition- The percentage of a chemical ingredient in relation to the total composition of the product.

2.20.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is a measurement of the concentration of the specified chemical ingredient in the item. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

2.21 Chemical Ingredients (3 of 4) - chemicalIngredientConcentrationBasis

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- chemicalIngredientName
- chemicalIngredientConcentration
- chemicalIngredientConcentrationBasis
- rEACHChemicalRegistrationNumber

This section is for the attribute chemicalIngredientConcentrationBasis.

2.21.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- chemicalIngredientConcentrationBasis
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The basis amount against which the concentration percentage was calculated. This group of attributes can be repeated for all chemical ingredients contained in the Trade Item under a specific chemical ingredient organization and list.
- GDD Definition- The basis amount used to express the chemical ingredient concentration.

2.21.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is a measurement which is the basis or reference against which the chemcialIngredientConcentration has been measured. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

2.22 Chemical Ingredients (4 of 4) - rEACHChemicalRegistrationNumber

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- chemicalIngredientName
- chemicalIngredientConcentration
- chemicalIngredientConcentrationBasis
- rEACHChemicalRegistrationNumber

This section is for the attribute rEACHChemicalRegistrationNumber.

2.22.1 Basic Information

- GDD Module- SafetyDataSheetModule

- GDD Content- Attribute

- GDD Attribute Name- rEACHChemicalRegistrationNumber

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The registration number for the chemical as defined by the REACH regulation. This group of attributes can be repeated for all chemical ingredients contained in the Trade Item under a specific chemical ingredient organization and list.

- GDD Definition- A unique registration number for a chemical for a company. This is issued by the European Chemical Agency (ECHA) and is unique per chemical.

2.22.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is the number assigned to the item by the European Chemical Agency (ECHA). This number is an additional chemical identifier to the value provided in the attribute chemicalIngredientName. This value will relate this chemical to other REACH attributes. REACH is a European Union regulation which requires certain information be provided on items with chemical ingredients under certain criteria.

2.23   Chemical Ingredient Organization List (1 of 2) - chemicalIngredientScheme

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- chemicalIngredientScheme

- chemicalIngredientIdentification

This section is for the attribute chemicalIngredientScheme.

2.23.1 Basic Information

- GDD Module- SafetyDataSheetModule

- GDD Content- Attribute

- GDD Attribute Name- chemicalIngredientScheme

- Data Type- string (Text 1-200 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The name of the chemical ingredient identification values list. This attribute is paired with the chemical ingredient organization.

- GDD Definition- A managed list of chemical ingredient identifications (for example: CAS).

2.23.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is the scheme or code list from which the value provided in the attribute chemicalIngredientIdentification value is derived.

2.24 Chemical Ingredient Organization List (2 of 2) - chemicalIngredientIdentification

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- chemicalIngredientScheme
- chemicalIngredientIdentification

This section is for the attribute chemicalIngredientIdentification.

2.24.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- chemicalIngredientIdentification
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The chemical identification for the ingredient from the chemical ingredient organization's identification list. This group of attributes can be repeated for all chemical ingredients contained in the Trade Item under a specific chemical ingredient organization and list.
- GDD Definition- A unique number to identify a chemical used to cross reference regulated lists of chemicals for example CAS number.

2.24.2 Foodservice GS1 US Standards Initiative Guidance

This group of attributes is part of the set of attributes used to provide the actual information from an item's safety data sheet. Providing this information as actual values in database format provides the ability for recipients to develop applications and online resources for their staff and customers to search, sort, and access quickly.

This group of attributes can be repeated for each chemical ingredient which needs to be detailed in a safety data sheet.

This attribute is the code identifier assigned in the specified chemicalIngredientScheme for the chemical.

2.25   Child GTIN

2.25.1 Basic Information

- GDSN Module- GS1IdentificationComponents
- GDSN Content- Attribute
- GDD Attribute Name- gtin (Child)
- Data Type- GTIN
- GDSN Required- Dependent
- Foodservice Best Practice- GDSN Dependent
- Foodservice Common Definition- This is the GTIN of the Trade Item for the product packaging level immediately below this item. For example, if this item is a pack or case, the each GTIN would be populated here to signify it as the packaging level below. Required for all packaging levels other than the lowest or base level.
- GDD Definition- Global Trade Item Number (GTIN), the GS1 key used for the identification of Trade Items.

2.25.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is only provided when the packaging hierarchy level upon which it is relevant is not the base level of the hierarchy. This attribute is the GTIN of the package hierarchy level just below this level. If there are multiple GTINs at the next lower level, then each child will be listed with its specific quantityOfNextLowerLevel. This will provide linkage information to assist in assembling the packaging hierarchy for this product.

2.26   Child Nutrition Label Available

2.26.1 Basic Information

- GDSN Module- HealthRelatedInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutritionalLabelTypeCode
- Data Type- Code List
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- A code signifying certain label types for which the Trade Item is applicable. Example: Child Nutrition.
- GDD Definition- Code indicating that the Trade Item is eligible for certain nutritional labelling programs according to a specific regulation.

2.26.2 Foodservice GS1 US Standards Initiative Guidance

This attribute specifies the types of nutrition labels which are present or utilized for the product. For the USDA Child Nutrition Label on the packaging, use the code value of "1".

2.26.3 Code List Values

See the nutritionalLabelTypeCode List for the codes that may be used for this attribute.

2.27   Child Nutrition Information (1 of 7) - childNutritionExpirationDateTime

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionExpirationDateTime.

2.27.1   Basic Information

- GDSN Module- ChildNutritionInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- childNutritionExpirationDateTime
- Data Type- dateTime
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The date upon which the child nutrition statement or label expires.
- GDD Definition- The date upon which the child nutrition statement or label expires.

2.27.2   Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.28   Child Nutrition Information (2 of 7) - childNutritionLabelStatement

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionLabelStatement.

2.28.1   Basic Information

- GDSN Module- ChildNutritionInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- childNutritionLabelStatement

- Data Type- Description1000

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The text of the Child Nutrition Label as specified by the child nutrition product identification agency.

- GDD Definition- The text of the Child Nutrition Label as specified by the child nutrition product identification agency.

2.28.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.29   Child Nutrition Information (3 of 7) - ChildNutritionLabelDocument

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionLabelDocument.

2.29.1 Basic Information

- GDSN Module- ChildNutritionInformationModule

- GDSN Content- Association

- GDD Attribute Name- childNutritionLabelDocument

- Data Type- ReferencedFileInformation

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A link to a copy of the Child Nutrition Label.

- GDD Definition- A link to a copy of the Child Nutrition Label.

2.29.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.30 Child Nutrition Information (4 of 7) - childNutritionProductIdentification

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionProductIdentification.

2.30.1 Basic Information

- GDSN Module- ChildNutritionInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- childNutritionProductIdentification
- Data Type- String
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A child nutrition identification number of the child nutrition statement or label as provided by or through the authority of the child nutrition product identification agency.
- GDD Definition- A child nutrition identification number of the child nutrition statement or label as provided by or through the authority of the child nutrition product identification agency.

2.30.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.31 Child Nutrition Information (5 of 7) - childNutritionQualifiedValue

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionQualifiedValue.

2.31.1 Basic Information

- GDSN Module- ChildNutritionInformationModule
- GDSN Content- Attribute

- GDD Attribute Name- childNutritionQualifiedValue

- Data Type- Measurement

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Reference or qualified value for the child nutrition value as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionQualifiedValue is 4.5 ounces.

- GDD Definition- Reference or qualified value for the child nutrition value as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionQualifiedValue is 4.5 ounces.

2.31.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.32 Child Nutrition Information (6 of 7) - childNutritionQualifierCode

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionQualifierCode.

2.32.1 Basic Information

- GDSN Module- ChildNutritionInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- childNutritionQualifierCode

- Data Type- childNutritionQualifierCode

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A qualifier to specify the type of equivalent measurement that is applicable to the item as specified in the child nutrition statement or label. Example: MEAT_OR_MEAT_ALTERNATIVE.

- GDD Definition- A qualifier to specify the type of equivalent measurement that is applicable to the item as specified in the child nutrition statement or label. Example: MEAT_OR_MEAT_ALTERNATIVE.

2.32.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.33 Child Nutrition Information (7 of 7) - childNutritionValue

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The seven attributes in this group are:

- childNutritionExpirationDateTime
- childNutritionLabelStatement
- childNutritionQualifiedValue
- childNutritionValue
- childNutritionLabelDocument
- childNutritionProductIdentification
- childNutritionQualifierCode

This section is for the attribute childNutritionValue.

2.33.1 Basic Information

- GDSN Module- ChildNutritionInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- childNutritionValue
- Data Type- Measurement
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Actual value for the child nutrition qualifier as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionValue is 1/8 cup.
- GDD Definition- Actual value for the child nutrition qualifier as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionValue is 1/8 cup.

2.33.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.34 Company Name (Brand Owner) (1 of 4) - brandOwner

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandOwner
- partyInRole (Brand Owner)
- gln
- partyName

This section is for the attribute brandOwner.

2.34.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Association

- GDD Attribute Name- brand Owner

- Data Type- qualifier for the PartyInRole module

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- Required

- Foodservice Common Definition- This is a qualifier to signify the Brand Owner of the Trade Item. The Brand Owner may or may not be the Manufacturer or Information Provider of the Trade Item.

- GDD Definition- Party name and identification information for the Brand Owner. May or may not be the same entity as the Information Provider, which actually enters and maintains data in data pools.

2.34.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is an association qualifier to signify that an instance of the Party in Role attribute are denoting the Brand Owner for the Trade Item.

The Manufacturer, Brand Owner and Information Provider do not need to be the same party or entity. They may be different parties for different reasons. The Brand Owner is always the party or entity which owns the Brand under which the Trade Item is marked and traded.

2.35   Company Name (Brand Owner) (2 of 4) - partyInRole

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandOwner

- partyInRole (Brand Owner)

- gln

- partyName

This section is for the attribute partyInRole.

2.35.1 Basic Information

- GDSN Module- PartyInRole

- GDSN Content- Attribute

- GDD Attribute Name- partyInRole (Brand Owner)

- Data Type- Code

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- Required

- Foodservice Common Definition- This is the Party Role Code to signify this group of attributes is related to the Brand Owner of the Trade Item.

- GDD Definition- A code that identifies the role of a party in a business transaction.

2.35.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a code value to denote the type of party role to be detailed by the remaining attributes in this group.

In this case, since the association qualifier is denoting the Brand Owner, the code value for this attribute should be BRAND_OWNER.

2.36 Company Name (Brand Owner) (3 of 4) - gln

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandOwner

- partyInRole (Brand Owner)

- gln

- partyName

This section is for the attribute gln.

2.36.1 Basic Information

- GDSN Module- PartyInRole

- GDSN Content- Attribute

- GDD Attribute Name- gln

- Data Type- GLN

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- Required

- Foodservice Common Definition- GS1 Global Location Number (GLN) of the Brand Owner of the Trade Item.

- GDD Definition- The GS1 Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.

2.36.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the Global Location Number (GLN) for the organization who owns the brand. For example, the GLN for Tyson Foods for its Tyson Tasty Bird brand.

More information on GLN can be found at:
https://www.gs1us.org/documents/command/core_download/entryid/567

To validate the correct check digit, use the following link:
http://www.gs1us.org/solutions_services/tools/check_digit_calculator.

To determine the owner of a GLN, use the following link: http://gepir.gs1.org/

2.37   Company Name (Brand Owner) (4 of 4) - partyName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- brandOwner
- partyInRole (Brand Owner)
- gln
- partyName

This section is for the attribute partyName.

2.37.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- partyName
- Data Type- string (Text 1-200 Characters
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- This is the name of the Brand Owner of the Trade Item.
- GDD Definition- The name of the party expressed in text.

2.37.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For

example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual name of the organization or entity defined by the Party In Role GLN. In this instance of this attribute, this will be the name of the Brand Owner as denoted by the association qualifier and the Party In Role Code value of BRAND_OWNER.

2.38   Company Name (Information Provider) (1 of 4) – informationProviderOfTradeItem

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- informationProviderOfTradeItem
- partyInRole (Information Provider)
- gln
- partyName

This section is for the attribute informationProviderOfTradeItem.

2.38.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Association
- GDD Attribute Name- informationProviderOfTradeItem
- Data Type- qualifier for the PartyInRole module
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- This is a qualifier to signify the party which is providing the GDSN Message. The Information Provide may not be the original source of the item's information but has the responsibility to provide and maintain the data in the catalog. A GTIN may be provided by multiple Information Providers based on the Selling Relationships. Combination of the Information Provider (GLN) + GTIN + Target Market uniquely identifies a set of attributes for a Trade Item.
- GDD Definition- The party providing the information about the Trade Item.

2.38.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is an association qualifier to signify that an instance of the Party in Role attribute are denoting the Information Provider for the Trade Item. The Information Provider is the party providing this message about the Trade Item.

The Manufacturer, Brand Owner and Information Provider do not need to be the same party or entity. They may be different parties for different reasons. The Brand Owner is always the party or entity which owns the Brand under which the Trade Item is marked and traded.

A Trade Item may be in messages by different Information Providers. In GDSN, each record has a database key which is a combination key of GTIN, Target Market, and Information Provider GLN. Each time on of these keys is different, a new record is created in the GDSN.

For example, a GDSN message on a Trade Item may be published by the Brand Owner of the Trade Item to a Distributor. In this message, the Brand Owner would also be the Information Provider. When the Distributor creates a GDSN Message to its customers, Operators, Retailers, etc., those messages would have the Distributor as the Information Provider.

2.39   Company Name (Information Provider) (2 of 4) - partyInRole

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- informationProviderOfTradeItem
- partyInRole (Information Provider)
- gln
- partyName

This section is for the attribute partyInRole.

2.39.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attribute
- GDD Attribute Name- partyInRole (Information Provider)
- Data Type- Code
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- This is the Party Role Code to signify this group of attributes is related to the Information Provider of the Trade Item's message.
- GDD Definition- A code that identifies the role of a party in a business transaction.

2.39.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a code value to denote the type of party role to be detailed by the remaining attributes in this group.

In this case, since the association qualifier is denoting the Information Provider, the code value for this attribute should be INFORMATION_PROVIDER.

2.40   Company Name (Information Provider) (3 of 4) - gln

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance.

The four attributes in this group are:

- informationProviderOfTradeItem
- partyInRole (Information Provider)
- gln
- partyName

This section is for the attribute gln.

2.40.1   Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attribute
- GDD Attribute Name- gln
- Data Type- GLN
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- Global Location Number (GLN) of the Information Provider of the Trade Item's message.
- GDD Definition- The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.

2.40.2   Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the GLN of the Party in Role attribute denoting the Information Provider for the Trade Item. The Information Provider is the party providing this message about the Trade Item.

A Trade Item may be in messages by different Information Providers. In GDSN, each record has a database key which is a combination key of GTIN, Target Market, and Information Provider GLN. Each time one of these keys is different, a new record is created in the GDSN. For example, a GDSN message on a Trade Item may be published by the Brand Owner of the Trade Item to a Distributor. In this message, the Brand Owner would also be the Information Provider. When the Distributor creates a GDSN Message

to its customers, Operators, Retailers, etc., those messages would have the Distributor as the Information Provider.

More information on GLN can be found at:
https://www.gs1us.org/documents/command/core_download/entryid/567

To validate the check digit, visit: http://www.gs1us.org/solutions_services/tools/check_digit_calculator.

To determine the owner of a GLN, visit: http://gepir.gs1.org/

2.41   Company Name (Information Provider) (4 of 4) - partyName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance.

The four attributes in this group are:

- informationProviderOfTradeItem
- partyInRole (Information Provider)
- gln
- partyName

This section is for the attribute partyName.

2.41.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- partyName
- Data Type- string (Text 1-200 Characters
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition-
- This is the name of the Information Provider of the Trade Item's message.
- GDD Definition-
- The name of the party expressed in text.

2.41.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual name of the organization or entity defined by the Party In Role GLN. In this instance of this attribute, this will be the name of the Information Provider as denoted by the association qualifier and the Party In Role Code value of INFORMATION_PROVIDER.

2.42   Company Name (Manufacturer) (1 of 4) - manufacturerOfTradeItem

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- manufacturerOfTradeItem

- partyInRole (Manufacturer)

- gln

- partyName

This section is for the attribute manufacturerOfTradeItem.

2.42.1   Basic Information

- GDSN Module- CoreItem

- GDSN Content- Association

- GDD Attribute Name- manfacturerOfTradeItem

- Data Type- qualifier for the PartyInRole module

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- Required

- Foodservice Common Definition- This is a qualifier to signify the Manufacturer of the Trade Item. The Manufacturer may or may not be the Brand Owner or Information Provider of the Trade Item.

- GDD Definition- Party name and identification information for the Manufacturer of the Trade Item.

2.42.2   Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is an association qualifier to signify that an instance of the Party in Role attribute are denoting the Manufacturer of record for the Trade Item.

The Manufacturer, Brand Owner and Information Provider do not need to be the same party or entity. They may be different parties for different reasons. The Brand Owner is always the party or entity which owns the Brand under which the Trade Item is marked and traded.

The Information Provider is always the party who is responsible for a GDSN Message, they do not have to be the Brand Owner or the Manufacturer. For example, a GDSN message on a Trade Item may be published by the Brand Owner of the Trade Item to a Distributor. In this message, the Brand Owner would also be the Information Provider. When the Distributor creates a GDSN Message to its customers, Operators, Retailers, etc., those messages would have the Distributor as the Information Provider.

The Manufacturer represents the party or entity who is responsible for the manufacturing process of the Trade Item. This party may or may not have actually built or assembled the Trade Item, but are

responsible for its building. It is at the Brand Owner's discretion as to which party is listed as the Manufacturer. The following examples detail several scenarios for how to assign a Manufacturer:

■ The Trade Item is manufactured in a facility owned, managed, and staffed by the Brand Owner. In this case, the Brand Owner is the Manufacturer.

■ The Trade Item is manufactured by a third party under contract to the Brand Owner as the Brand Owner does not have production capacity, facilities, or other capabilities to actually manufacture the Trade Item. The Brand Owner is listed as the Manufacturer on the Trade Item and its packaging. The Brand Owner intends for all consumer interactions to be with them and not the third party. The Brand Owner would choose to be listed as the Manufacturer. It is recommended that this be spelled out in any and all contracts between parties for these Trade Items.

■ The Trade Item is manufactured by a third party under contract to the Brand Owner as the Brand Owner does not have production capacity, facilities, or other capabilities to actually manufacture the Trade Item. The Brand Owner allows the third party to be listed as the Manufacturer on the Trade Item and its packaging. The Brand Owner intends for all consumer interactions to be with the third party. The Brand Owner would choose to list the third party as the Manufacturer. It is recommended that this be spelled out in any and all contracts between parties for these Trade Items.

■ A Manufacturer licenses use of a brand from a Brand Owner for a product line they produce. The Brand Owner is not responsible for the manufacturing process. Their only responsibility is ownership of the brand. The Manufacturer would be the Manufacturer, and the Brand Owner would be the Brand Owner. It is recommended that this be spelled out in any and all contracts between parties for these Trade Items.

2.43   Company Name (Manufacturer) (2 of 4) - partyInRole

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

■ manufacturerOfTradeItem

■ partyInRole (Manufacturer)

■ gln

■ partyName

This section is for the attribute partyInRole.

2.43.1   Basic Information

■ GDSN Module- PartyInRole

■ GDSN Content- Attribute

■ GDD Attribute Name- partyInRole (Manufacturer)

■ Data Type- Code

■ GDSN Required- GDSN Mandatory

■ Foodservice Best Practice- Required

■ Foodservice Common Definition- This is the Party Role Code to signify this group of attributes is related to the Manufacturer of the Trade Item.

■ GDD Definition- A code that identifies the role of a party in a business transaction.

2.43.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a code value to denote the type of party role to be detailed by the remaining attributes in this group.

In this case, since the association qualifier is denoting the Manufacturer, the code value for this attribute should be MANUFACTURER.

2.44 Company Name (Manufacturer) (3 of 4) - gln

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- manufacturerOfTradeItem
- partyInRole (Manufacturer)
- gln
- partyName
- This section is for the attribute gln.

2.44.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attribute
- GDD Attribute Name- gln
- Data Type- GLN
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- Global Location Number (GLN) of the Manufacturer of the Trade Item.
- GDD Definition- The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.

2.44.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the Global Location Number (GLN) for the organization who is the party responsible for the Manufacturer process of the Trade Item.

More information on GLN can be found at:
https://www.gs1us.org/documents/command/core_download/entryid/567

To validate the correct check digit, use the following link:
http://www.gs1us.org/solutions_services/tools/check_digit_calculator.

To determine the owner of a GLN, use the following link: http://gepir.gs1.org/

2.45   Company Name (Manufacturer) (4 of 4) - partyName

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- manufacturerOfTradeItem
- PartyInRole (Manufacturer)
- gln
- partyName

This section is for the attribute partyName.

2.45.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- partyName
- Data Type- string (Text 1-200 Characters)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- Required
- Foodservice Common Definition- This is the name of the Manufacturer of the Trade Item.
- GDD Definition- The name of the party expressed in text.

2.45.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual name of the organization or entity defined by the Party In Role GLN. In this instance of this attribute, this will be the name of the Manufacturer as denoted by the association qualifier and the Party In Role Code value of MANUFACTURER.

2.46   Components (1 of 4) - componentNumber

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

■   componentNumber

■   componentDescription

■   componentIdentification

■   extension (This attribute is a pointer to allow for a set of other modules to optionally be provided for a given component)

This section is for the attribute componentNumber.

2.46.1   Basic Information

■   GDD Module- CoreItem

■   GDD Content- Attribute

■   GDD Attribute Name-componentNumber

■   Data Type- nonNegativeInteger

■   GDSN Required- Optional

■   Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■   Foodservice Common Definition- The number assigned to the component of a Trade Item. This is simply a sequential number to ensure all parties see each component as different. This number, along with the component description, will signify or qualify a different component of the Trade Item and its set of item attributes.

■   GDD Definition- Indicate a sequence number of a component of a Trade Item.

2.46.2   Foodservice GS1 US Standards Initiative Guidance

This attribute is a sequence number assigned to each instance of component level information. The first instance is given the number "1", the second is number "2", and so forth.

Components are pieces of a Trade Item below the current GTIN level. They are typically not sold independently but are constituent pieces of the current Trade Item. The reason for providing them as part of the Trade Item record is that there are certain pieces of information which are needed at this level but are different or unique for the component as opposed to information provided for other components or the Trade Item itself.

When providing component information:

■   Provide

■   Only those modules that have different information from other components

■   All relevant information contained in a module being provided

■   Do not provide

■   Modules at the higher Trade Item level, which are being provided at the component level

Examples of component levels and information which can be different at the component level:

■   A 6-pack of yogurt tubs where there are 3 different flavors- Strawberry, Blueberry, and Peach. These different flavors have unique ingredients, allergen, and nutrients. To provide this information, the component attributes would be used for these 3 flavors. Under each componentNumber, the appropriate information would be provided.

■ An office desk consisting of a desk, bridge and credenza is sold in 3 boxes. The 3 boxes have different dimensions, but are all part of one. To provide this information, the component attributes would be used for these 3 pieces. Under each componentNumber, the appropriate information would be provided.

■ A pill in bottle may require a set of specific information to be provided for it such as size, shape, color, and markings. While the GTIN may have 100 of the pills in the bottle, there is only one pill. In certain situations, there is a need to assign a GTIN to the pill, but it does not need the overhead (mandatory attributes) for it to be its own level of a hierarchy. To provide this information including the GTIN of the pill, the component attributes would be used. Under the componentNumber, the appropriate information would be provided including the GTIN as the componentIdentification.

2.47   Components (2 of 4) - componentDescription

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

■ componentNumber

■ componentDescription

■ componentIdentification

■ extension (This attribute is a pointer to allow for a set of other modules to optionally be provided for a given component)

This section is for the attribute componentDescription.

2.47.1 Basic Information

■ GDD Module- CoreItem

■ GDD Content- Attribute

■ GDD Attribute Name- componentDescription

■ Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- A description of a component of a Trade Item. This description, along with the component number, will signify or qualify a different component of the Trade Item and its set of item attributes.

■ GDD Definition- A description of the component. Allows for the representation of the same value in different languages.

2.47.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a free form textual descriptive name of the component. This value can be specified in language by using the language qualifier. (See the ISO Language Code List for the language codes that may be used for this attribute.) There should only be one value per language. This value should be unique for each instance of the componentNumber. Do not use the same description for each componentNumber. This term should help the end user understand what this component is as compared to other components.

Components are pieces of a Trade Item below the current GTIN level. They are typically not sold independently but are constituent pieces of the current Trade Item. The reason for providing them as part of the Trade Item record is that there are certain pieces of information which are needed at this level but

are different or unique for the component as opposed to information provided for other components or the Trade Item itself.

When providing component information:

- Provide
- Only those modules that have different information from other components
- All relevant information contained in a module being provided
- Do not provide
- Modules at the higher Trade Item level, which are being provided at the component level

Examples of component levels and information which can be different at the component level are:

- A 6-pack of yogurt tubs where there are 3 different flavors- Strawberry, Blueberry, and Peach. These different flavors have unique ingredients, allergen, and nutrients. To provide this information, the component attributes would be used for these 3 flavors. Under each componentNumber, the appropriate information would be provided.

- An office desk consisting of a desk, bridge and credenza is sold in 3 boxes. The 3 boxes have different dimensions, but are all part of one. To provide this information, the component attributes would be used for these 3 pieces. Under each componentNumber, the appropriate information would be provided.

- A pill in bottle may require a set of specific information to be provided for it such as size, shape, color, and markings. While the GTIN may have 100 of the pills in the bottle, there is only one pill. In certain situations, there is a need to assign a GTIN to the pill, but it does not need the overhead (mandatory attributes) for it to be its own level of a hierarchy. To provide this information including the GTIN of the pill, the component attributes would be used. Under the componentNumber, the appropriate information would be provided including the GTIN as the componentIdentification.

2.48   Components (3 of 4) - componentIdentification

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- componentNumber
- componentDescription
- componentIdentification
- extension (This attribute is a pointer to allow for a set of other modules to optionally be provided for a given component)

This section is for the attribute componentIdentification.

2.48.1   Basic Information

- GDD Module- CoreItem
- GDD Content- Attribute
- GDD Attribute Name- componentIdentification
- Data Type- GTIN
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Optional attribute to capture a GTIN if the component has been assigned a GTIN.

- GDD Definition- An identifier for a component.

2.48.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a GTIN which is used as an identifier for a component. Not all components will have a GTIN to identify them. If however there is a need, this attribute is where the component level GTIN would be provided. This GTIN would be different from all other GTINs in the Trade Item's hierarchy. The example below of the pill in the bottle is a situation where this attribute is important.

Components are pieces of a Trade Item below the current GTIN level. They are typically not sold independently but are constituent pieces of the current Trade Item. The reason for providing them as part of the Trade Item record is that there are certain pieces of information which are needed at this level but are different or unique for the component as opposed to information provided for other components or the Trade Item itself.

When providing component information:

- Provide
- Only those modules that have different information from other components
- All relevant information contained in a module being provided
- Do not provide
- Modules at the higher Trade Item level, which are being provided at the component level

Examples of component levels and information which can be different at the component level are:

- A 6-pack of yogurt tubs where there are 3 different flavors- Strawberry, Blueberry, and Peach. These different flavors have unique ingredients, allergen, and nutrients. To provide this information, the component attributes would be used for these 3 flavors. Under each componentNumber, the appropriate information would be provided.

- An office desk consisting of a desk, bridge and credenza is sold in 3 boxes. The 3 boxes have different dimensions, but are all part of one. To provide this information, the component attributes would be used for these 3 pieces. Under each componentNumber, the appropriate information would be provided.

- A pill in bottle may require a set of specific information to be provided for it such as size, shape, color, and markings. While the GTIN may have 100 of the pills in the bottle, there is only one pill. In certain situations, there is a need to assign a GTIN to the pill, but it does not need the overhead (mandatory attributes) for it to be its own level of a hierarchy. To provide this information including the GTIN of the pill, the component attributes would be used. Under the componentNumber, the appropriate information would be provided including the GTIN as the componentIdentification.

2.49   Components (4 of 4) - extension

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- componentNumber
- componentDescription
- componentIdentification
- extension (This attribute is a pointer to allow for a set of other modules to optionally be provided for a given component)

This section is for the attribute extension.

2.49.1 Basic Information

- GDD Module- CoreItem

- GDD Content- Association

- GDD Attribute Name- extension

- Data Type- Extension Point

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a point in the GDSN message where the various attributes to describe a component can be inserted.

- GDD Definition- An extension point for the Trade Item.

2.49.2 Foodservice GS1 US Standards Initiative Guidance

This is an association whereby other modules contained in the GDSN structure can be used to further provide detail about a component as required to communicate information. There is a set list of modules which is relevant for a component. This list is managed by the GDSN Standards body. If any new modules need to be used, a request will need to be entered for community approval.

The list of acceptable Component level modules is:

- Allergen Information Module
- Certification Information
- ModuleChemical Regulation Information Module
- Diet Information Module
- Farming Processing Information Module
- Food and Beverage Ingredient Information Module
- Food and Beverage Preparation Serving Module
- Food And Beverage Properties Information Module
- Healthcare Item Information Module
- Marketing Information Module
- Nonfood Ingredient Module
- Nutritional Information Module
- Packaging Information Module
- Place of Activity Module
- Referenced File Detail Information Module
- Regulated Trade Item Module
- Safety Data Sheet Module
- Trade Item Colour Module
- Trade Item Description Module
- Trade Item Disposal Information Module
- Trade Item Lifespan Module
- Trade Item Measurements Module
- Trade Item Size Module

All attributes in these modules would follow the same rules and structure when provided at the component level as when they are provided at the Trade Item level.

Components are pieces of a Trade Item below the current GTIN level. They are typically not sold independently but are constituent pieces of the current Trade Item. The reason for providing them as part of the Trade Item record is that there are certain pieces of information which are needed at this level but are different or unique for the component as opposed to information provided for other components or the Trade Item itself.

When providing component information,

- Provide only those modules that have different information from other components

- All relevant information contained in a module being provided

- Do not provide modules at the higher Trade Item level, which are being provided at the component level

Examples of component levels and information which can be different at the component level are:

- A 6-pack of yogurt tubs where there are 3 different flavors- Strawberry, Blueberry, and Peach. These different flavors have unique ingredients, allergen, and nutrients. To provide this information, the component attributes would be used for these 3 flavors. Under each componentNumber, the appropriate information would be provided.

- An office desk consisting of a desk, bridge and credenza is sold in 3 boxes. The 3 boxes have different dimensions, but are all part of one. To provide this information, the component attributes would be used for these 3 pieces. Under each componentNumber, the appropriate information would be provided.

- A pill in bottle may require a set of specific information to be provided for it such as size, shape, color, and markings. While the GTIN may have 100 of the pills in the bottle, there is only one pill. In certain situations, there is a need to assign a GTIN to the pill, but it does not need the overhead (mandatory attributes) for it to be its own level of a hierarchy. To provide this information including the GTIN of the pill, the component attributes would be used. Under the componentNumber, the appropriate information would be provided including the GTIN as the componentIdentification.

2.50   Consumer Instructions - consumerUsageLabelCode

2.50.1 Basic Information

- GDSN Module- ConsumerInstructions
- GDSN Content- Code
- GDD Attribute Name- consumerUsageLabelCode
- Data Type- ExternalCodeValueInformation
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A code representation of the consumer usage information represented via a label.
- GDD Definition- A code representation of the consumer usage information represented via a label.

2.50.2 Foodservice GS1 US Standards Initiative Guidance

None.

2.51   Country of Origin (Ingredient Level) (1 of 9) - countryOfOrigin

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- ingredientPlaceOfActivity

- productActivityTypeCode

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryOfOrigin.

2.51.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Association

- GDD Attribute Name- countryOfOrigin

- Data Type- Association to Country

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a qualifier to signify that the country and subdivision codes to follow are related to the ingredient's country of origin. This grouping can be repeated for ingredients with more than one country/subdivision in which the items have been produced, manufactured or substantially transformed.

- GDD Definition- The country code (codes) in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the value may or may not be presented on the Trade Item label.

2.51.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This information is provided for specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. If the item is sourced from multiple countries, all should be listed.

2.52 Country of Origin (Ingredient Level) (2 of 9) – countryCode (countryOfOrigin)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryCode (countryOfOrigin).

2.52.1 Basic Information

- GDSN Module- Country
- GDSN Content- Attribute
- GDD Attribute Name- countryCode (countryOfOrigin)
- Data Type- Code
- GDSN Required- Mandatory (If module is invoked)
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The country code (codes) in which the ingredients have been produced, manufactured or substantially transformed.
- GDD Definition- Code specifying a country. Allowed code values are specified in GS1 Code List CountryCode.

2.52.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the country of origin for a specific ingredient as detailed in the ingredient section of the message. This attribute would be populated as a subset of information under a specific ingredientName. If the item is sourced from multiple countries, all should be listed.

While more than one country can be specified at the ingredient level, only one country can be specified for each instance of the association countryOfOrigin. If any attribute in this module is populated, then this attribute must be populated.

2.52.3 Code List Values

There is a list of code values for part of this attribute. The code list used for countryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute.

2.53 Country of Origin (Ingredient Level) (3 of 9) – countrySubdivisionCode (countryOfOrigin)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countrySubdivisionCode (countryOfOrigin).

2.53.1 Basic Information

- GDSN Module- Country

- GDSN Content- Attribute

- GDD Attribute Name- countrySubdivisionCode (countryOfOrigin)

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The country code subdivisions (codes) in which the ingredients have been produced, manufactured or substantially transformed. In a multinationally sourced product, all country subdivision should be listed. Subdivisions can be states, provinces or similar country subdivisions.

- GDD Definition- Code specifying a country subdivision. Allowed code values are specified in GS1 Code List CountrySubdivisionCode.

2.53.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the subdivision of a country of origin for a specific ingredient as detailed in the ingredient section of the message. A subdivision is otherwise known as a State, Province, or Region. This attribute would be populated as a subset of information under a specific ingredientName. More than one country subdivision can be specified for a specific countryCode. If the item is sourced from multiple countries, all should be listed.

2.53.3 Code List Values

The code list used for countrySubdivisionCode is the ISO 3166-2 code list. See the ISO Country Subdivision Code List for the codes that may be used for this attribute.

2.54   Country of Origin (Ingredient Level) (4 of 9) - ingredientPlaceOfActivity

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute ingredientPlaceOfActivity.

2.54.1 Basic Information

- GDSN Module- FoodAndBeverageIngredientModule

- GDSN Content- Association

- GDD Attribute Name- ingredientPlaceOfActivity

- Data Type- Association to PlaceOfProductActivity

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is an association of the place of product activity attributes to a specific ingredient of the Trade Item.

- GDD Definition- Information on the activity (e.g. bottling) taken place for an ingredient as well as the associated geographic area.

2.54.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This association will provide information about an activity relevant to a specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.55   Country of Origin (Ingredient Level) (5 of 9) - productActivityTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute productActivityTypeCode.

2.55.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Attribute

- GDD Attribute Name- productActivityTypeCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A code qualifying the type of activity to be described for the ingredient.

- GDD Definition- A code depicting the type of activity being performed on a Trade Item (e.g., processing, bottling, manufacturing, etc.).

2.55.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a qualifier to denote the type of activity being described for a specific ingredient as detailed in the ingredient section of the message.

This association will provide information about an activity relevant to a specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.55.3 Code List Values

See the Product Activity Type Code List for the codes that may be used for this attribute.

2.56 Country of Origin (Ingredient Level) (6 of 9) – productActivityRegionDescription

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute productActivityRegionDescription.

2.56.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Attribute

- GDD Attribute Name- productActivityRegionDescription

- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Textual description, as presented on the packaging, describing an activity related to the item and its region, country, or other locale.

- GDD Definition- The region in which a processing or other activity has been performed (e.g., processing, bottling, manufacturing, etc.). Allows for the representation of the same value in different languages.

2.56.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This is a text description of the statement as listed on the side of the package describing the activity as qualified using the productActivityTypeCode as provided for the Trade Item. This value can be provided in multiple languages with multiple values per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.57   Country of Origin (Ingredient Level) (7 of 9) - countryofActivity

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryofActivity.

2.57.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Association

- GDD Attribute Name- countryOfActivity

- Data Type- Association to Country

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a qualifier to signify that the country and subdivision codes to follow are related to the item's Place of Activity as qualified by the product activity type. This grouping can be repeated for items with more than one country/subdivision for a product activity type qualifier.

- GDD Definition- The geographic area where an activity has taken place.

2.57.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This is an association of the country information to the activity as qualified using the productActivityTypeCode as provided for specific ingredient as detailed in the ingredient section of the message. This association will provide information about an activity relevant to a specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.58   Country of Origin (Ingredient Level) (8 of 9) - countryCode (countryOfActivity)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- ingredientPlaceOfActivity

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryCode (countryOfActivity).

2.58.1 Basic Information

- GDSN Module- Country

- GDSN Content- Attribute

- GDD Attribute Name- countryCode (countryOfActivity)

- Data Type- Code

- GDSN Required- Mandatory (If module is invoked)

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The country code (codes) related to item's Place of Activity as qualified by the product activity type.

- GDD Definition- Code specifying a country. Allowed code values are specified in GS1 Code List CountryCode.

2.58.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the country of activity for a specific ingredient as detailed in the ingredient section of the message. This association will provide information about an activity relevant to a specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

While more than one country can be specified at the ingredient level, only one country can be specified for each instance of the association countryOfActivity.

If any attribute in this module is populated, then this attribute must be populated.

2.58.3 Code List Values

The code list used for countryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute.

2.59 Country of Origin (Ingredient Level) (9 of 9) – countrySubdivisionCode (countryOfActivity)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The nine attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- ingredientPlaceOfActivity
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countrySubdivisionCode (countryOfActivity).

2.59.1 Basic Information

- GDSN Module- Country
- GDSN Content- Attribute
- GDD Attribute Name- countrySubdivisionCode (countryOfActivity)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The country code subdivision (codes) related to item's Place of Activity as qualified by the product activity type. All country subdivision should be listed. Subdivisions can be states, provinces or similar country subdivisions.
- GDD Definition- Code specifying a country subdivision. Allowed code values are specified in GS1 Code List CountrySubdivisionCode.

2.59.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the subdivision of a country of origin for a specific ingredient as detailed in the ingredient section of the message. A subdivision is otherwise known as a State, Province, or Region. This association will provide information about an activity relevant to a specific ingredient as detailed in the ingredient section of the message. This group of attributes would be populated as a subset of information under a specific ingredientName. More than one country subdivision can be specified for a specific countryCode. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.59.3 Code List Values

The code list used for countrySubdivisionCode is the ISO 3166-2 code list. See the ISO Country Subdivision Code List for the codes that may be used for this attribute.

2.60   Country of Origin (Item Level) (1 of 8) - countryOfOrigin

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryOfOrigin.

2.60.1 Basic Information

- GDSN Module- PlaceOfProductActivity
- GDSN Content- Association
- GDD Attribute Name- countryOfOrigin
- Data Type- Association to Country
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is a qualifier to signify that the country and subdivision codes to follow are related to the item's country of origin. This grouping can be repeated for items with more than one country/subdivision in which the items have been produced, manufactured or substantially transformed.
- GDD Definition- The country code (codes) in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the value may or may not be presented on the Trade Item label.

2.60.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This information is provided for the Trade Item overall. If the item is sourced from multiple countries all should be listed.

2.61   Country of Origin (Item Level) (2 of 8) - countryCode (countryOfOrigin)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryCode (countryOfOrigin).

2.61.1   Basic Information

- GDSN Module- Country
- GDSN Content- Attribute
- GDD Attribute Name- countryCode (countryOfOrigin)
- Data Type- Code
- GDSN Required- Mandatory (If module is invoked)
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The country code (codes) in which the items have been produced, manufactured or substantially transformed.
- GDD Definition- Code specifying a country. Allowed code values are specified in GS1 Code List CountryCode.

2.61.2   Foodservice GS1 US Standards Initiative Guidance

This attribute provides the actual code from the ISO 3166 code list to detail the country of origin for the Trade Item. If the item is sourced from multiple countries all should be listed.

While more than one country can be specified at the ingredient level, only one country can be specified for each instance of the association countryOfOrigin.

If any attribute in this module is populated, then this attribute must be populated.

2.61.3   Code List Values

The code list used for countryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute.

2.62   Country of Origin (Item Level) (3 of 8) – countrySubdivisionCode (countryOfOrigin)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countrySubdivisionCode (countryOfOrigin).

2.62.1 Basic Information

- GDSN Module- Country

- GDSN Content- Attribute

- GDD Attribute Name- countrySubdivisionCode (countryOfOrigin)

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The country subdivision code (codes) in which the items have been produced, manufactured or substantially transformed. In a multinationally sourced product, all country subdivision should be listed. Subdivisions can be states, provinces or similar country subdivisions.

- GDD Definition- Code specifying a country subdivision. Allowed code values are specified in GS1 Code List CountrySubdivisionCode.

2.62.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the subdivision of a country of origin for the Trade Item. A subdivision is otherwise known as a State, Province, or Region.   More than one country subdivision can be specified for a specific countryCode. If the item is sourced from multiple countries, all should be listed.

2.62.3 Code List Values

The code list used for countrySubdivisionCode is the ISO 3166-2 code list. See the ISO Country Subdivision Code List for the codes that may be used for this attribute.

2.63   Country of Origin (Item Level) (4 of 8) - productActivityTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute productActivityTypeCode.

2.63.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Attribute

- GDD Attribute Name- productActivityTypeCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A code qualifying the type of activity to be described.

- GDD Definition- A code depicting the type of activity being performed on a Trade Item (e.g., processing, bottling, manufacturing, etc.).

2.63.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a qualifier to denote the type of activity being described for the Trade Item.

This association will provide information about an activity relevant to the Trade Item. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.63.3 Code List Values

See the Product Activity Type Code List for the codes that may be used for this attribute.

2.64   Country of Origin (Item Level) (5 of 8) - productActivityRegionDescription

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute productActivityRegionDescription.

2.64.1   Basic Information

- GDSN Module- PlaceOfProductActivity
- GDSN Content- Attribute
- GDD Attribute Name- productActivityRegionDescription
- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Textual description, as presented on the packaging, describing an activity related to the item and its region, country, or other locale.
- GDD Definition- The region in which a processing or other activity has been performed (e.g., processing, bottling, manufacturing, etc.). Allows for the representation of the same value in different languages.

2.64.2   Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This is a text description of the statement as listed on the side of the package describing the activity as qualified using the productActivityTypeCode as provided for the Trade Item. This value can be provided in multiple languages with multiple values per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.65   Country of Origin (Item Level) (6 of 8) - countryofActivity

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin

- countryCode (countryOfOrigin)

- countrySubdivisionCode (countryOfOrigin)

- productActivityTypeCode

- productActivityRegionDescription

- countryofActivity

- countryCode (countryOfActivity)

- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryofActivity.

2.65.1 Basic Information

- GDSN Module- PlaceOfProductActivity

- GDSN Content- Association

- GDD Attribute Name- countryOfActivity

- Data Type- Association to Country

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a qualifier to signify that the country and subdivision codes to follow are related to the item's Place of Activity as qualified by the product activity type. This grouping can be repeated for items with more than one country/subdivision for a product activity type qualifier.

- GDD Definition- The geographic area where an activity has taken place.

2.65.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This is an association of the country information to the activity as qualified using the productActivityTypeCode as provided for the Trade Item. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.66 Country of Origin (Item Level) (7 of 8) – countryCode (countryOfActivity)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance.

The eight attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countryCode (countryOfActivity).

2.66.1 Basic Information

- GDSN Module- Country
- GDSN Content- Attribute
- GDD Attribute Name- countryCode (countryOfActivity)
- Data Type- Code
- GDSN Required- Mandatory (If module is invoked)
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The country code (codes) related to item's Place of Activity as qualified by the product activity type.
- GDD Definition- Code specifying a country. Allowed code values are specified in GS1 Code List CountryCode.

2.66.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the country of activity about an activity relevant to the Trade Item. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

While more than one country can be specified for the Trade Item, only one country can be specified for each instance of the association countryOfActivity. If any attribute in this module is populated, then this attribute must be populated.

2.66.3 Code List Values

The code list used for countryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute.

2.67 Country of Origin (Item Level) (8 of 8) - countrySubdivisionCode (countryOfActivity)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The eight attributes in this group are:

- countryOfOrigin
- countryCode (countryOfOrigin)
- countrySubdivisionCode (countryOfOrigin)
- productActivityTypeCode
- productActivityRegionDescription
- countryofActivity
- countryCode (countryOfActivity)
- countrySubdivisionCode (countryOfActivity)

This section is for the attribute countrySubdivisionCode (countryOfActivity).

2.67.1 Basic Information

- GDSN Module- Country
- GDSN Content- Attribute
- GDD Attribute Name- countrySubdivisionCode (countryOfActivity)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The country subdivision code (codes) related to item's Place of Activity as qualified by the product activity type. All country subdivision should be listed. Subdivisions can be states, provinces or similar country subdivisions.
- GDD Definition- Code specifying a country subdivision. Allowed code values are specified in GS1 Code List CountrySubdivisionCode.

2.67.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute provides the actual code from the ISO 3166 code list to detail the subdivision of a country of origin for an activity for the Trade Item. A subdivision is otherwise known as a State, Province, or Region.   This association will provide information about an activity relevant to the Trade Item. More

than one country subdivision can be specified for a specific countryCode. If the item has multiple countries or regions applicable to the specified activity qualifier, all should be listed.

2.67.3 Code List Values

The code list used for countrySubdivisionCode is the ISO 3166-2 code list. See the ISO Country Subdivision Code List for the codes that may be used for this attribute.

2.68   Cube with UoM

2.68.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- inBoxCubeDimension
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- The dimensions of an imaginary cube which can be drawn around the Trade Item as defined in the formula of H X W X D (i.e., the linear dimensions multiplied to get a cubic result). This only applies to In-box dimensions.
- GDD Definition- The dimensions of an imaginary cube which can be drawn around the Trade Item as defined in the formula of H X W X D (i.e., the linear dimensions multiplied to get a cubic result). This only applies to In-box dimensions. Level of Hierarchy applied to- All. Example- Bag of cabbage, Bag of Flour, Broom, Ham, or Case of Beer.

2.68.2 GS1 US Foodservice Guidance

This the cube of the Trade Item as packaged. The most common Cube measurement is in Cubic Feet. If the unit is being measured in inches but the Cube needs to be provided in Cubic Feet, the formula would be: depth X width X height divided by 1728. This should be sent at all hierarchy levels.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List for Cubic Dimensions.

2.69   Dangerous Goods (1 of 4) - classOfDangerousGoods

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- classOfDangerousGoods
- dangerousGoodsPackingGroup
- dangerousGoodsTechnicalName
- unitedNationsDangerousGoodsNumber

This section is for the attribute classOfDangerousGoods.

2.69.1 Basic Information

- GDD Module- HazardousInformationHeader
- GDD Content- Attribute

- GDD Attribute Name- classOfDangerousGoods

- Data Type- string (Text 1-4 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a class number assigned to the Trade Item by the Manufacturer according to local regulations. This attribute should be populated if the attribute isDangerousSubstance is populated with a value of "TRUE". This information is only provided if it is applicable for the Trade Item.

- GDD Definition- The dangerous goods classification of the Trade Item. Dangerous classes explain in general terms the hazardous nature and properties of the goods and serves to classify them together in terms of their most significant risk. Recommend to use codes listed in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.

2.69.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the attribute isDangerousSubstance is populated with a value of TRUE; otherwise, the attribute does not need to be populated. This is a code value assigned by local regulation to identify the class of goods this item is as a dangerous good.

2.70   Dangerous Goods (2 of 4) - dangerousGoodsPackingGroup

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- classOfDangerousGoods

- dangerousGoodsPackingGroup

- dangerousGoodsTechnicalName

- unitedNationsDangerousGoodsNumber

This section is for the attribute dangerousGoodsPackingGroup.

2.70.1 Basic Information

- GDD Module- HazardousInformationHeader

- GDD Content- Attribute

- GDD Attribute Name- dangerousGoodsPackingGroup

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a risk code assigned to the Trade Item by the Manufacturer according to IATA, IMDG, ADR, and/or RI. This attribute should be populated if the attribute isDangerousSubstance is populated with a value of "TRUE". This information is only provided if it is applicable for the Trade Item.

- GDD Definition- Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.

2.70.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the attribute isDangerousSubstance is populated with a value of TRUE; otherwise, this attribute does not need to be populated. This is a code value assigned by the Manufacturer according to dangerous goods standards such as IATA, IMDG, ADR, and/or RI regulations. This code refers to the risk code assessed for the item.

2.71 Dangerous Goods (3 of 4) - dangerousGoodsTechnicalName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- classOfDangerousGoods
- dangerousGoodsPackingGroup
- dangerousGoodsTechnicalName
- unitedNationsDangerousGoodsNumber

This section is for the attribute dangerousGoodsTechnicalName.

2.71.1 Basic Information

- GDD Module- HazardousInformationHeader
- GDD Content- Attribute
- GDD Attribute Name- dangerousGoodsTechnicalName
- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The technical name of the dangerous goods in the Trade Item. This attribute should be populated if the attribute isDangerousSubstance is populated with a value of "TRUE". This information is only provided if it is applicable for the Trade Item.
- GDD Definition- Provides the dangerous goods technical information.

2.71.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the attribute isDangerousSubstance is populated with a value of TRUE; otherwise, this attribute does not need to be populated. This attribute is a free form text value to denote the technical name/description for the Trade Item.

This field can be specified in multiple languages using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute.

2.72 Dangerous Goods (4 of 4) - unitedNationsDangerousGoodsNumber

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- classOfDangerousGoods
- dangerousGoodsPackingGroup

- dangerousGoodsTechnicalName

- unitedNationsDangerousGoodsNumber

This section is for the attribute unitedNationsDangerousGoodsNumber.

2.72.1 Basic Information

- GDD Module- HazardousInformationHeader

- GDD Content- Attribute

- GDD Attribute Name- unitedNationsDangerousGoodsNumber

- Data Type- string (/d(4))

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A code assigned to the Trade Item by the Manufacturer using the United Nations Committee of Experts on the Transport of Dangerous Goods (UNDG) code listing. All applicable values should be provided (repeatable attribute for multiple values). This attribute should be populated if the attribute isDangerousSubstance is populated with a value of "TRUE". This information is only provided if it is applicable for the Trade Item.

- GDD Definition- The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number.

2.72.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the attribute isDangerousSubstance is populated with a value of TRUE; otherwise, the attribute does not need to be populated.

This attribute is a 4 digit number relevant for the Trade Item as determined using the UNDG classification system.

2.73   Dangerous Substance (Ingredient Level)

2.73.1 Basic Information

- GDD Module- DangerousSubstanceInformationModule

- GDD Content- Attribute

- GDD Attribute Name- isDangerousSubstance

- Data Type- NonBinaryLogicEnumeration

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- An indication that the specified ingredient is a dangerous substance.

- GDD Definition- An indicator of whether or not a Trade Item is classified and labelled as containing a dangerous substance.

2.73.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the value is TRUE; otherwise, the attribute does not need to be populated.

If a specific ingredient is consider to be a Dangerous Good, this attribute would be populated with a value of TRUE along with the attributes specified for the specific ingredient. This instance of this attribute is to be provided at the ingredient level. The ingredient level can be specified using the Food and Beverage Ingredient attributes or the Non-Food Ingredient attributes.

2.73.3 Code List Values

See the NonBinaryLogicEnumeration Code List for the codes that may be used for this attribute.

2.74 Dangerous Substance (Item Level)

2.74.1 Basic Information

- GDD Module- DangerousSubstanceInformationModule
- GDD Content- Attribute
- GDD Attribute Name- isDangerousSubstance
- Data Type- NonBinaryLogicEnumeration
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- An indication that the Trade Item is a dangerous substance.
- GDD Definition- An indicator whether or not a Trade Item is classified and labelled as containing a dangerous substance.

2.74.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should only be provided if relevant to the Trade Item. This attribute should only be provided if the value is TRUE; otherwise, the attribute does not need to be populated.

If the Trade Item is consider to be a Dangerous Good, this attribute would be populated with a value of TRUE. This instance of this attribute is to be provided at the item level relating to the overall item.

2.74.3 Code List Values

See the NonBinaryLogicEnumeration Code List for the codes that may be used for this attribute.

2.75 Depth with UoM

2.75.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- depth
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- The measurement from front to back of the Trade Item. Follow the measurement rules identified in the GDSN Package Measurement Rules.

- GDD Definition- The depth of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.75.2 Foodservice GS1 US Standards Initiative Guidance

The dimensions values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in the Trading Partners systems and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. www.gs1us.org/sdata_quality

Dimensions should be provided using the measurement system applicable for the Target Market. In the US, the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provided is at the Manufacturer's discretion. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

2.76   Discontinue / Cancel Date (1 of 2)

2.76.1 Basic Information

- GDSN Module- TradeItemSynchronizationDates

- GDSN Content- Attribute

- GDD Attribute Name- cancelledDate

- Data Type- DateTime

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional

- Foodservice Common Definition- A date upon which a determination has been made that an item which has never been produced will not be produced.

- GDD Definition- Date on which the cancellation of the launch of a Trade Item what was never and will never be manufactured is made.

2.76.2 Foodservice GS1 US Standards Initiative Guidance

The cancel date for an item is the date upon which an item, which has never been physically produced, is cancelled and will not be produced. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is not a specific time for the cancellation of the Trade Item, enter zeroes for the time to signify the beginning of the day.

This attribute only needs to be provided when it is applicable.

This attribute is not allowed to be populated when the attribute discontinuedDate is populated.

2.77 Discontinue / Cancel Date (2 of 2)

2.77.1 Basic Information

- GDSN Module- TradeItemSynchronizationDates
- GDSN Content- Attribute
- GDD Attribute Name- discontinuedDate
- Data Type- DateTime
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- A date upon which a determination has been made that an item which has produced will no longer be produced.
- GDD Definition- Communicates the date on which the Trade Item is no longer to be manufactured.

2.77.2 Foodservice GS1 US Standards Initiative Guidance

The discontinue date for an item is the date upon which an item, which has been physically produced, is discontinued and will no longer be produced. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is not a specific time for the cancellation of the Trade Item, enter zeroes for the time to signify the beginning of the day.

This attribute only needs to be provided when it is applicable.

This attribute is not allowed to be populated when the attribute cancelledDate is populated.

2.78 Drained Weight with UoM

2.78.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- drainedWeight
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional, if relevant for the product
- Foodservice Common Definition- The weight of the contents of the Trade Item without any liquid or fluid in the packaging. This attribute is only required for items which are packaged in a fluid.
- GDD Definition- The weight of the Trade Item when drained of its liquid. For example: 225 "grm", Jar of pickles in vinegar. Applies to defined bricks of GCI Global Trade Item Classification - Mainly food Trade Item. Has to be associated with a valid UoM.

2.78.2 Foodservice GS1 US Standards Initiative Guidance

Providing information relevant to the item when drained is very useful for items, specifically where a Trade Item is packed in a liquid, but can be used either as drained or not drained. This information can help with the menu planning process.

Some items can have different nutrients based on whether the item is drained or not. To accomplish this, use of the nutrientBasisQuantity attribute and the relevant nutrient attributes to detail which set of values applies to the drained item. This will enhance the use of the 100-gram information as well.

Dimensions should be provided using the measurement system applicable for the Target Market. In the US, the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provide is at the Manufacturer's discretion. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

2.79   DVI Intake

2.79.1 Basic Information

- GDSN Module- NutritionalInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- dailyValueIntakeReference

- Data Type- Description500 (Free Text 1-500 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Required For Food items Only

- Foodservice Common Definition- This is a reference phrase signifying against what type of caloric intake the DVI has been calculated.

- GDD Definition- Free text field specifying the daily value intake base for on which the daily value intake per nutrient has been based. Example: "Based on a 2000 calorie diet." Allows for the representation of the same value in different languages but not for multiple values.

2.79.2 Foodservice GS1 US Standards Initiative Guidance

This is a free form text field where the statement about the reference used to calculate the daily value intake (DVI). This statement will provide the Trade Item's end user with the reference point to qualify the DVI.

This field can be specified in multiple languages using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute.

2.80   EAN.UCC Code and Type (1 of 2) - gs1TradeItemIdentificationKeyCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- gs1TradeItemIdentificationKeyCode

- gs1TradeItemIdentificationKeyValue

This section is for the attribute gs1TradeItemIdentificationKeyCode.

2.80.1 Basic Information

- GDSN Module- TradeItemDataCarrierAndIdentificationModule

- GDSN Content- Attribute

- GDD Attribute Name- gs1TradeItemIdentificationKeyCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- EAN UCC Code. An additional method for identifying the item (besides the GTIN) that can be populated. For the EAN UCC Code UP utilize code GTIN-12. For the EAN UCC Code UK utilize code GTIN-14.
- GDD Definition- Alternative means to the Global Trade Item Number to identify a trade item.

2.80.2 Foodservice GS1 US Standards Initiative Guidance

If the attribute gs1TradeItemIdentificationKeyValue is populated, then this attribute must be populated as it is a code qualifier for that attribute. This code is a qualifier to define what type of identifier is being populated in the attribute gs1TradeItemIdentificationKeyValue for the Trade Item.

For this Foodservice Common attribute, EAN.UCC Code and Type, this information provides the identifier which can be found in the barcode of the item or in any EDI message for this GTIN. The following is a mapping table to detail how the code values are mapped from GDSN v2.8 to GDSN v3.1.

Code Value GDSN v3.1	Code Value GDSN v2.8
GTIN_12	UP
GTIN_14	UK
GTIN_8	EO
GTIN_13	EN

2.80.3 Code List Values

See the EAN.UCC Type Code List for the codes that may be used for this attribute.

2.81   EAN.UCC Code and Type (2 of 2) - gs1TradeItemIdentificationKeyValue

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- gs1TradeItemIdentificationKeyCode
- gs1TradeItemIdentificationKeyValue

This section is for the attribute gs1TradeItemIdentificationKeyValue.

2.81.1 Basic Information

- GDSN Module- TradeItemDataCarrierAndIdentificationModule
- GDSN Content- Attribute
- GDD Attribute Name- gs1TradeItemIdentificationKeyValue
- Data Type- string
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- The actual additional trade item identification value for the type code signified.
- GDD Definition- A value for the alternative means to the Global Trade Item Number to identify a trade item.

2.81.2 Foodservice GS1 US Standards Initiative Guidance

If the attribute gs1TradeItemIdentificationKeyCode is populated, then this attribute must be populated as it is the actual identification number for the code qualifier populated.

When providing values to denote the former EAN.UCC Codes, the corresponding identifiers are GTINs and should be provided as formatted (8, 12, or 13 digits) not in the 14 digit format. This will ensure that the formatting is correct for the code.

For this Foodservice Common attribute, EAN.UCC Code and Type, this information provides the identifier which can be found in the bar code of the item or in any EDI message for this GTIN. The following is a mapping table to detail how the code values are mapped from GDSN v2.8 to GDSN v3.1.

Code Value GDSN v3.1	Code Value GDSN v2.8
GTIN_12	UP
GTIN_14	UK
GTIN_8	EO
GTIN_13	EN

2.82   Effective Date of Change

2.82.1 Basic Information

- GDSN Module- TradeItemSynchronisationDates

- GDSN Content- Attribute

- GDD Attribute Name- effectiveDate

- Data Type- Date (CCYY-MM-DDTHH:MM:SS)

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- Date on which the master data becomes valid.

- GDD Definition- The date on which the information contents of the master data version are "valid" (meaning correct or true). This effective date can be used for initial Trade Item offering, or to mark a change in the in-formation related to an existing Trade Item. This date would mark when these changes take effect.

2.82.2 Foodservice GS1 US Standards Initiative Guidance

This date can be populated by the Information Provider as the current date or any date into the future. Population of a date into the future signifies that the data is not effective for use until that date and recipients should use the currently synchronized data until this date.

If no date is populated, the data pool will default the current date.

The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the effective date of the Trade Item information, enter zeroes for the time to signify the beginning of the day.

2.83 For More Information (Contact Information) (1 of 13) - partyRoleCode (Other)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute partyRoleCode (Other).

2.83.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- partyRoleCode (Other)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- This is the Party Role Code to signify this group of attributes is related to other contacts for the Trade Item (e.g., Customer Contact, GDS Contact, Emergency Contact, etc.).
- GDD Definition- A code that identifies the role of a party in a business transaction.

2.83.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a code to qualify the entity for which a contact is to be detailed in the remaining attributes in this area. The entity types of concern would primarily be the INFORMATION_PROVIDER, and MANUFACTURER_OF_GOODS. However, there are other entities that can be provided.

2.83.3 Code List Values

See the Party in Role Code List for the codes that may be used for this attribute.

2.84   For More Information (Contact Information) (2 of 13) - gln

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute gln.

2.84.1   Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- gln
- Data Type- GLN
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Global Location Number (GLN) of the specified contact for the Trade Item as qualified by the party role code.
- GDD Definition- The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.

2.84.2   Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the GLN of the entity for which a contact is to be detailed in the remaining attributes in this area. The entity type is defined in the party role code attribute.

2.85   For More Information (Contact Information) (3 of 13) - partyName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName

- availableTime
- communicationChannelCode
- communicationValue

- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute partyName.

2.85.1 Basic Information

- GDSN Module- PartyInRole
- GDSN Content- Attributes
- GDD Attribute Name- partyName
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- This is the name of the specified contact for the Trade Item as qualified by the party role code.
- GDD Definition- The name of the party expressed in text.

2.85.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual name of the organization or entity defined by the Party In Role GLN. The name would thereby be associated with the entity for which the contact is being detailed.

2.86 For More Information (Contact Information) (4 of 13) - contactTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute contactTypeCode.

2.86.1 Basic Information

- GDSN Module- TradeItemContactInformation

- GDSN Content- Attribute

- GDD Attribute Name- contactTypeCode

- Data Type- Code List

- GDSN Required- Mandatory (If Module invoked) (Module can be repeated for as many Contact Types as need to be reported for the item.)

- Foodservice Best Practice- Required

- Foodservice Common Definition- The general category of the contact party for a Trade Item (for example: Purchasing). The remaining Contact attributes can be repeated for each different contact type which is populated.

- The Initiative has deemed the following types Required: Consumer Support, Customer Support, GDS Contact, and Product Recall Contact.

- The Initiative has deemed the following types Voluntary/Optional (if relevant or available): Emergency Dangerous Goods Contact and Packaging Engineer.

- GDD Definition- The general category of the contact party for a Trade Item (for example: Purchasing).

2.86.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a code to detail the specific type of contact being provided for the entity which was qualified in the associated partyRoleCode. There can be more than one contact type provided for each entity.

For the Foodservice Initiative requirements, there four contacts which should be provided for either the INFORMATION_PROVIDER and/or MANUFACTURER_OF_GOODS. These are   Consumer Support, Customer Support, GDS Contact, and Product Recall Contact.

For the Foodservice Initiative optional requirements, there are two contacts which should be provided for either the INFORMATION_PROVIDER and/or MANUFACTURER_OF_GOODS. These are Emergency Dangerous Goods Contact, and Packaging Engineer. Any other value is considered optional, but will provide additional benefit.

2.86.3 Code List Values

See the contactTypeCode List for the codes that may be used for this attribute.

2.87   For More Information (Contact Information) (5 of 13) - gln (Contact Type)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel

- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute gln (Contact Type).

2.87.1 Basic Information

- GDSN Module- TradeItemContactInformation
- GDSN Content- Attribute
- GDD Attribute Name- gln
- Data Type- GLN
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Global Location Number (GLN) of other contacts for the item.
- GDD Definition- The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.

2.87.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a GLN assigned to the specific type of contact, qualified with the contactTypeCode attribute, being provided for the entity which was qualified in the associated partyRoleCode.

2.88   For More Information (Contact Information) (6 of 13) – targetMarketCountryCode (ContactType)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute targetMarketCountryCode (ContactType).

2.88.1 Basic Information

- GDSN Module- TargetMarket
- GDSN Content- Attribute
- GDD Attribute Name- targetMarketCountryCode (Contact Type)
- Data Type- CountryCode
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- The target market country of the contact.
- GDD Definition- The code that identifies the target market. The target market is at country level or higher geographical definition, and is where a Trade Item is intended to be sold.

2.88.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the country in which the contact is valid. In GDSN, the list of the geographical regions or countries is defined by the ISO-3166-1 code system (3-digit numerical code). The US target market code is 840. Data pools may present the 3-digit numeric country code (e.g., 124 for Canada) as the ISO 2-digit alphabetic code (e.g., CA) to aid user comprehension; therefore, users may not see the 3-digit numeric codes.

2.88.3 Code List Values

The code list used for targetMarketCountryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute. (This list is valid as of January 2012. More up to date versions can be obtained from ISO at www.iso.org.)

2.89 For More Information (Contact Information) (7 of 13) – targetMarketSubdivisionCode (ContactType)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute targetMarketSubdivisionCode (ContactType).

2.89.1 Basic Information

- GDSN Module- TargetMarket
- GDSN Content-Attribute
- GDD Attribute Name- targetMarketSubdivisionCode (Contact Type)
- Data Type- Code List
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- The target market subdivision of the contact.
- GDD Definition- The Code for country sub-division definition used to indicate the geo-political subdivision of the target market (country).

2.89.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the country subdivision in which the contact is valid. In GDSN, the list of the geographical regions or countries is defined by the ISO-3166-2 code system. For the Target Market US, this would be a state or a territory.

2.89.3 Code List Values

The code list used for targetMarketSubdivisionCode is the ISO 3166-2 code list. See the ISO Country Subdivision Code List for the codes that may be used for this attribute. (This list is valid as of January 2012. More up to date versions can be obtained from ISO at www.iso.org.)

2.90   For More Information (Contact Information) (8 of 13) - availableTime

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute availableTime.

2.90.1 Basic Information

- GDSN Module- TradeItemContactInformation
- GDSN Content- Attribute

- GDD Attribute Name- availableTime

- Data Type- Description70 (Free Text 1-70 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The time that a specific contact for a Trade Item is available for contact (e.g., "8a-5p EST M-F").

- GDD Definition- The time that a specific contact for a Trade Item is available for contact.

2.90.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a text phrase to denote when the contact is available at the noted communication method. This would be left blank if the contact is available 24 hours a day 7 days a week.

2.91   For More Information (Contact Information) (9 of 13) – communicationChannelCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute communicationChannelCode.

2.91.1 Basic Information

- GDSN Module- CommunicationChannel

- GDSN Content- Attribute

- GDD Attribute Name- communicationChannelCode

- Data Type- Code

- GDSN Required- Mandatory (If Module invoked)

- Foodservice Best Practice- Required

- Foodservice Common Definition- Means used to communicate with the contact.

- GDD Definition- Code specifying the type of communication channel (e.g., TELEPHONE).

2.91.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a qualifier code which is used to denote the <u>type</u> of communication (number will be provided in the attribute communicationValue). This attribute must be populated if the attribute communicationValue is populated.

2.91.3 Code List Values

See the CommunicationChannelCode List for the codes that may be used for this attribute.

2.92 For More Information (Contact Information) (10 of 13) – communicationValue

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute communicationValue.

2.92.1 Basic Information

- GDSN Module- CommunicationChannel
- GDSN Content- Attribute
- GDD Attribute Name- communicationValue
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required
- Foodservice Common Definition- Number or address assigned to a specific means of communication (e.g., 609-555-1212 or john@doe.com).
- GDD Definition- Text identifying the endpoint for the communication channel (e.g., a telephone number or an e-mail address).

2.92.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a phone number, email address, or other contact point for the specified contact as qualified by the communicationChannelCode value. This attribute must be populated if the attribute CommunicationChannelCode is populated.

2.93   For More Information (Contact Information) (11 of 13) - afterHoursCommunicationChannel

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)
- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute afterHoursCommunicationChannel.

2.93.1 Basic Information

- GDSN Module- Contact
- GDSN Content- Association
- GDD Attribute Name- afterHoursCommunicationChannel
- Data Type- Association to CommunicationChannel
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Means used to communicate with the contact outside of the available time specified.
- GDD Definition- The channel or manner in which a communication can be made with the contact after regular office hours.

2.93.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For

example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This association is used a qualifier for the communication channel module to denote the communication channel and value for contacting the contact outside of normal operating hours. Normal operating hours will be expressed in the attribute availableTime. This set of communication channel attributes may or may not be the same as those provided for normal operating hours contact. This would be left blank if the contact is available 24 hours a day 7 days a week.

2.94   For More Information (Contact Information) (12 of 13) – communicationChannelCode (After Hours)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute communicationChannelCode (After Hours).

2.94.1 Basic Information

- GDSN Module- CommunicationChannel
- GDSN Content- Attribute
- GDD Attribute Name- communicationChannelCode
- Data Type- Code
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required
- Foodservice Common Definition- Means used to communicate with the contact after hours.
- GDD Definition-   Code specifying the type of communication channel (e.g., TELEPHONE).

2.94.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a qualifier code which is used to denote the type of communication which will be provided in the attribute communicationValue. As this instance of the attribute is provided as part of the after-

hours qualifier, the communication channel and communication value refer to communications methods after normal hours which are detailed in the attribute availableTime.   This attribute must be populated if the attribute communicationValue is populated.

2.94.3 Code List Values

See the communicationChannelCode List for the codes that may be used for this attribute.

2.95   For More Information (Contact Information) (13 of 13) – communicationValue (After Hours)

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The thirteen attributes in this group are:

- partyRoleCode (Other)
- gln
- partyName
- contactTypeCode
- gln (Contact Type)
- targetMarketCountryCode (ContactType)
- targetMarketSubdivisionCode (ContactType)

- availableTime
- communicationChannelCode
- communicationValue
- afterHoursCommunicationChannel
- communicationChannelCode (After Hours)
- communicationValue (After Hours)

This section is for the attribute communicationValue (After Hours).

2.95.1 Basic Information

- GDSN Module- CommunicationChannel
- GDSN Content- Attribute
- GDD Attribute Name- communicationValue
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required
- Foodservice Common Definition- Number or address assigned to a specific means of after-hours communication (e.g., 609-555-1212 or john@doe.com).
- GDD Definition- Text identifying the endpoint for the communication channel (e.g., a telephone number or an e-mail address).

2.95.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is a phone number, email address, or other contact point which is used to denote the type of communication which will be provided in the attribute communicationValue (After Hours). As this

instance of the attribute is provided as part of the after-hours qualifier, the communication channel and communication value refer to communications methods after normal hours which are detailed in the attribute availableTime.   This attribute must be populated if the attribute communicationChannelCode (After Hours) is populated.

2.96   Functional Name

2.96.1 Basic Information

- GDSN Module- TradeItemDesciptionModule
- GDSN Content- Attribute
- GDD Attribute Name- functionalName
- Data Type- Description35 (Free Text 1-35 Characters) (Language Qualified)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- A short generic name for the item. This is unique to a manufacture or product line, and can be used to group items from that Manufacturer (e.g., Brownie or Chicken Breast).
- GDD Definition- Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.

2.96.2 Foodservice GS1 US Standards Initiative Guidance

This is the generally accepted category within which this item resides. For example, a Tenderloin Steak might have a functional name populated of "meat" or Tiger Shrimp might be "seafood."

This field should be populated with a "commodity" (i.e., product family) description, such as "cookie" or "soda." This attribute is not intended to be a detailed description or specification. It should not include brand names, sizes, or similar item-specific characteristics or descriptive names. That information is more appropriate for the Brand Name field, and other description fields.

This attribute can be repeated for each language used. For example, in Canada, it can be sent in both French and English. However, there can only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

A recipient may concatenate several attributes values to provide a more rounded product description, such as Brand Name, Sub-Brand, Functional Name, and Production Variant Description (or Variant).

2.97   GHS Detail (1 of 2) - gHSSignalwordsCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- gHSSignalwordsCode
- gHSSymbolDescriptionCode

This section is for the attribute gHSSignalwordsCode.

2.97.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute

- GDD Attribute Name- gHSSignalwordsCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The Global Harmonized System of Classification and Labelling of Chemicals (GHS) signal word applicable to the item.

- GDD Definition- Words such as "Danger" or "Warning" used to emphasize hazards and indicate the relative level of severity of the hazard.   For GHS, these are assigned to a GHS hazard class and category. Some lower level hazard categories do not use signal words.

2.97.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a term defined by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to state if the item is considered a "DANGER" or a "WARNING." These terms are used to emphasize hazards and indicate the relative level of severity of the hazard, assigned to a GHS hazard class and category. Some lower level hazard categories do not use signal words. Only one signal word corresponding to the class of the most severe hazard should be used on a label.

2.97.3 Code List Values

See the gHSSignalwordsCode List for the codes that may be used for this attribute.

2.98   GHS Detail (2 of 2) - - gHSSymbolDescriptionCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- gHSSignalwordsCode

- gHSSymbolDescriptionCode

This section is for the attribute gHSSymbolDescriptionCode.

2.98.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- gHSSymbolDescriptionCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The code word used to describe all applicable Global Harmonized System of Classification and Labelling of Chemicals (GHS) symbols that are present on the item's packaging.

- GDD Definition- A code depicting the symbols which convey health, physical and environmental hazard information, assigned to a hazard class and category (e.g., GHS).   Pictograms include the harmonized hazard symbols plus other graphic elements, such as borders, background patterns or colors that are intended to convey specific information. Examples of all pictograms and downloadable files for GHS can be accessed on the UN website for the GHS.

2.98.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a term defined by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to denote the pictogram which is placed on the item and/or its label. The pictogram depicts which hazard that the item is. The pictograms are visual clues that can stand up in any language to call out hazards such as toxicity, gases under pressure, and explosives.

2.98.3 Code List Values

See the gHSSymbolDescriptionCode List for the codes that may be used for this attribute.

2.99   GHS Hazard Statement (1 of 2) - hazardStatementsCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

■ hazardStatementsCode

■ hazardStatementsDescription

This section is for the attribute hazardStatementsCode.

2.99.1 Basic Information

■ GDSN Module- SafetyDataSheetModule

■ GDSN Content- Attribute

■ GDD Attribute Name- hazardStatementsCode

■ Data Type- string (Text 1-35 Characters)

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- Standard hazard phrase code assigned to the Trade Item as defined in the GHS system. This group of attributes can be repeated for as many hazard statements as are applicable for the item.

■ GDD Definition- Standard phrases assigned to a hazard class and category that describe the nature of the hazard (e.g., H200).

2.99.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a phrase code defined and maintained by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to form a set of standardized phrases about the hazards of chemical substances and mixtures that can be translated into different languages. Each hazard statement is designated a code, starting with the letter H and followed by three digits. Statements, populated in the attribute hazardStatementsDescription, which correspond to related hazards are grouped together by code number, so the numbering is not consecutive. The code is used for reference purposes (for example, to help with translations), but it is the *actual phrase* which should appear on labels and safety data sheets.

There is a list of code values for this attribute which is managed by the GHS and is not found in this document.

2.100 GHS Hazard Statement (2 of 2) - hazardStatementsDescription

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- hazardStatementsCode
- hazardStatementsDescription

This section is for the attribute hazardStatementsDescription.

2.100.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- hazardStatementsDescription
- Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Standard hazard phrase assigned to the Trade Item as defined in the GHS system for the hazard statement code. This group of attributes can be repeated for as many hazard statements as are applicable for the item.
- GDD Definition- A description of standard phrases assigned to a hazard class and category that describe the nature of the hazard. Allows for the representation of the same value in different languages but not multiple values.

2.100.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a statement for a specific hazard statement code defined and maintained by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to form a set of standardized phrases about the hazards of chemical substances and mixtures that can be translated into different languages. Each hazard statement is designated a code, starting with the letter H and followed by three digits. Statement Descriptions which correspond to related hazards are grouped together by code number, populated in the attribute hazardStatementsCode. The code is used for reference purposes (for example, to help with translations), but it is the *actual statement description (phrase)* which should appear on labels and safety data sheets.

There is a list of statement descriptions or phrases for this attribute which is managed by the GHS and is not found in this document.

This attribute can be populated in multiple languages, but with only one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.101 GHS Precautionary Statement (1 of 2) - precautionaryStatementsCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- precautionaryStatementsCode
- precautionaryStatementsDescription

This section is for the attribute precautionaryStatementsCode.

2.101.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- precautionaryStatementsCode

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Standard precautionary phrase code assigned to the Trade Item as defined in the GHS system. This group of attributes can be repeated for as many precautionary statements as are applicable for the item.

- GDD Definition- Measures listed on a hazardous label to minimize or prevent adverse effects. For GHS, the precautionary statements have been linked to each GHS hazard statement and type of hazard. Precautionary statements for GHS cover prevention, response in cases of accidental spillage or exposure, storage, and disposal.

2.101.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a phrase code defined and maintained by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to form a set of standardized phrases about the correct handling of chemical substances and mixtures that can be translated into different languages. Each precautionary statement is designated a code, starting with the letter P and followed by three digits. Statements, populated in the attribute precautionaryStatementsDescription, which correspond to related hazards are grouped together by code number, so the numbering is not consecutive. The code is used for reference purposes, for example to help with translations, but it is the *actual phrase* which should appear on labels and safety data sheets.

There is a list of code values for this attribute which is managed by the GHS and is not found in this document.

2.102   GHS Precautionary Statement (2 of 2) - precautionaryStatementsDescription

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- precautionaryStatementsCode

- precautionaryStatementsDescription

This section is for the attribute precautionaryStatementsDescription.

2.102.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- precautionaryStatementsDescription

- Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Standard precautionary phrase assigned to the Trade Item as defined in the GHS system for the precautionary statement code. This group of attributes can be repeated for as many precautionary statements as are applicable for the item.

- GDD Definition- A description of the measures listed on a hazardous label to minimize or prevent adverse effects. Allows for the representation of the same value in different languages but not multiple values.

2.102.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a statement for a specific precautionary statement code defined and maintained by the Global Harmonized System of Classification and Labelling of Chemicals (GHS) to form a set of standardized phrases about the correct handling of chemical substances and mixtures that can be translated into different languages. Each precautionary statement is designated a code, starting with the letter P and followed by three digits. Statement Descriptions which correspond to related hazards are grouped together by code number, populated in the attribute precautionaryStatementsCode. The code is used for reference purposes (for example, to help with translations), but it is the *actual statement description (phrase)* which should appear on labels and safety data sheets.

There is a list of statement descriptions or phrases for this attribute which is managed by the GHS and is not found in this document.

This attribute can be populated in multiple languages, but with only one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.103   Global Product Classification (GPC)

2.103.1 Basic Information

- GDSN Module- GDSNTradeItemClassification

- GDSN Content- Attribute

- GDD Attribute Name- gpcCategoryCode

- Data Type- string

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- GS1 Global Product Classification (GPC) code required for the GS1 Global Registry®. (Example: 10000447 is the GPC code for paper towels.)

- GDD Definition- Code specifying a product category according to the GS1 Global Product Classification (GPC) standard.

2.103.2 Foodservice GS1 US Standards Initiative Guidance

The Trade Item contains a primary product classification, which is the GS1 Global Product Classification (GPC). The GPC schema provides a four tier hierarchy including Segment, Family, Class and Brick. The GPC brick code is mandatory in the GDSN. For more information on GPC, please refer to the GPC Basics Website at:

www.gs1.org/productssolutions/gdsn/gpc/training/basics.html

2.103.3 Code List Values

See the GPC Code List for the codes that may be used for this attribute.

2.104   GMO Declaration (Ingredient Level)

2.104.1 Basic Information

- GDSN Module- FarmingAndProcessingInformation
- GDSN Content- Attribute
- GDD Attribute Name- geneticallyModifiedDeclarationCode (Ingredient level)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A statement as to the specified ingredient's level of Genetically Modified Organism (GMO).
- GDD Definition- A statement of the presence or absence of genetically modified protein or DNA.

2.104.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code to detail if the ingredient comes from Genetically Modified sources. The codes populated for this attribute can describe containment and no containment.

2.104.3 Code List Values

See the LevelOfContainmentCode List for the codes that may be used for this attribute.

2.105   GMO Declaration (Item Level)

2.105.1 Basic Information

- GDSN Module- FarmingAndProcessingInformation
- GDSN Content- Attribute
- GDD Attribute Name- geneticallyModifiedDeclarationCode (Item level)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A statement as to the item's level of Genetically Modified Organism (GMO).
- GDD Definition- A statement of the presence or absence of genetically modified protein or DNA.

2.105.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code to detail if the Trade Item comes from Genetically Modified sources. The codes populated for this attribute can describe containment and no containment.

2.105.3 Code List Values

See the LevelOfContainmentCode List for the codes that may be used for this attribute.

2.106   Grade Code (1 of 3) - gradeCodeReference

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of three attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The three attributes in this group are:

- gradeCodeReference
- codeListAgencyName
- codeListName

This section is for the attribute gradeCodeReference.

2.106.1 Basic Information

- GDSN Module- MarketingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- gradeCodeReference
- Data Type- Code List
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is the grade code assigned to the item from the agency which manages the grade code list. This is a class, code, or grade assigned to the Trade Item (e.g., Grade A for meat).
- GDD Definition- A code indicating the degree of refinement, features, or capabilities for a Trade Item (e.g., the quality grade of a ceramic tile or of a food item such as eggs).

2.106.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a grade or reference code applicable to the item based on definitions or criteria from an external body. For example, the USDA has criteria for the grading of meat products (e.g., Prime, Grade A, etc.).

This attribute is not only the actual grade code value, it is also a call for the CodeAndGS1CodeDataTypes Module. This module will provide attributes to detail the grade code agency and code list which are applicable for this grade code.

This attribute can be repeated for each grade code applicable to the item. For each instance, the CodeAndGS1CodeDataTypes Module will be repeated to denote the applicable agency and code list.

2.106.3 Code List Values

See the GradeCode List for the codes that may be used for this attribute.

2.107   Grade Code (2 of 3) - codeListAgencyName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of three attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The three attributes in this group are:

- gradeCodeReference
- codeListAgencyName
- codeListName

This section is for the attribute codeListAgencyName.

2.107.1 Basic Information

- GDSN Module- CodeandGS1CodeDataTypes
- GDSN Content- Attribute
- GDD Attribute Name- codeListAgencyName
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is the agency which manages the grade code list. For most food items in the US target Market, this will be the USDA (e.g., Grade A for meat).
- GDD Definition- A name of the agency which manages the code list for example ISO.

2.107.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the external body which is responsible for definitions or criteria for which an item can be assigned a grade or reference code. For example, the USDA has criteria for the grading of meat products (e.g., Prime, Grade A, etc.).

This attribute is applicable to a specified gradeCodeReference.

2.108   Grade Code (3 of 3) - codeListName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of three attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The three attributes in this group are:

- gradeCodeReference
- codeListAgencyName
- codeListName

This section is for the attribute codeListName.

2.108.1 Basic Information

- GDSN Module- CodeandGS1CodeDataTypes
- GDSN Content- Attribute
- GDD Attribute Name- codeListName
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is the name of grade code list managed by the code list agency for the grade code reference.
- GDD Definition- The name of the code list which provides the code value.

2.108.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the name of the list of definitions or criteria managed by an external body for which an item can be assigned a grade or reference code. For example, the USDA has criteria for the grading of meat products (e.g., Prime, Grade A, etc.). This list is named the "USDA Meat Classification Chart."

This attribute is applicable to a specified gradeCodeReference.

2.109 Gross Weight with UoM

2.109.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule

- GDSN Content- Attribute

- GDD Attribute Name- grossWeight

- Data Type- Measurement (Number & UoM)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Used to identify the gross weight of the Trade Item. The gross weight includes all packaging materials of the Trade Item. At pallet level, the Trade Item Gross Weight includes the weight of the pallet itself.

- GDD Definition- Used to identify the gross weight of the Trade Item. The gross weight includes all packaging materials of the Trade Item. At pallet level, the Trade Item grossWeight includes the weight of the pallet itself. The value must be be associated with a valid Unit of Measure (UOM) (e.g., total pounds, total grams, etc.). For example, "200 GRM."

2.109.2 Foodservice GS1 US Standards Initiative Guidance

This field should be populated with the measurement of the gross weight of an item, including all packaging, as defined in *GDSN Package Measurement Rules*.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

To assist with downstream processes, such as movements of partial shipping units, self-checkouts, etc., gross weight is required to be populated at all levels of the hierarchy which are physical units (not services or digital products).

Dimensions should be provided using the measurement system applicable for the Target Market. In the US, the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provided is at the Manufacturer's discretion. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to affect the conversion.

2.110 Growing Method

2.110.1 Basic Information

- GDSN Module- FarmingAndProcessingInformation

- GDSN Content- Attribute

- GDD Attribute Name- growingMethodCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a code list of various growing or raising methods for a Trade Item.

- GDD Definition- The process through which fresh produce is grown and cultivated.

2.110.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value which describes the method(s) by which the Trade Item was grown. This attribute can be repeated for as many methods as are applicable.

2.110.3 Code List Values

See the GrowingMethodCode List for the codes that may be used for this attribute.

2.111 GTIN

2.111.1 Basic Information

- ■ GDSN Module- GS1IdentificationComponents
- ■ GDSN Content- Attribute
- ■ GDD Attribute Name- gtin
- ■ Data Type- GTIN
- ■ GDSN Required- GDSN Mandatory
- ■ Foodservice Best Practice- GDSN Mandatory
- ■ Foodservice Common Definition- The Global Trade Item Number (GTIN) is the standard 14-digit number used to identify individual Trade Items.
- ■ GDD Definition- Global Trade Item Number (GTIN), the GS1 key used for the identification of Trade Items.

2.111.2 Foodservice GS1 US Standards Initiative Guidance

This is the GTIN (in 14-digit format) assigned by the Brand Owner, who may not necessarily be the Manufacturer, to each product hierarchy level. GTINs should be assigned at all packaging levels in a trace item hierarchy.

The Global Trade Item Number (GTIN) is the standard number used to identify individual Trade Items. This is represented as a 14-digit number in GDSN. GTIN Allocation Rules must be followed for all packaging levels for each product in healthcare, including the base, intermediate, display, and shipping units. For more information, please refer to the *GS1 General Specifications* (www.gs1us.org/resources/standards/standards-library/gs1-general-specifications).

Global Trade Item Numbers (GTINs) uniquely identify items that are traded in the Supply Chain. Integrity of these numbers throughout the item's lifetime is a key to maintaining uniqueness for Manufacturers, Wholesalers, Distributors, regulatory bodies, Retailers, and other supply chain stakeholders. A change to one aspect, characteristic, variant or formulation of a Trade Item may require the allocation of a new GTIN. Brand Owners who hold the specifications of a Trade Item must properly allocate and maintain their GTINs to enable trading partners to distinguish products effectively for regulatory, supply chain and safety concerns.

To validate the correct check digit, use the following link: www.gs1us.org/solutions_services/tools/check_digit_calculator.

To determine the owner of a GS1 Company Prefix used in the GTIN, use the following link: http://gepir.gs1.org

The GS1 US Foodservice Initiative recommends that when a GTIN is stored in a database, it should be represented using 14 digits. Documentation is available to educate Manufacturers on how to convert various GTIN formats that are represented in barcodes to a 14-digit representation.

2.112 Height with UoM

2.112.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule

- GDSN Content- Attribute

- GDD Attribute Name- height

- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- The measurement of the height of the Trade Item. Follow the measurement rules identified in the GDSN Package Measurement Rules.

- GDD Definition- The height of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.112.2 Foodservice GS1 US Standards Initiative Guidance

The dimensions values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in Trading Partner systems and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. https://www.gs1.org/docs/gdsn/3.1/GDSN_Package_Measurement_Rules.pdf

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Dimensions should be provided using the measurement system applicable for the Target Market. In the US, the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provide is at the Manufacturer's discretion. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to affect the conversion.

2.113 Individual Unit Measures (1 of 2) - individualUnitMaximumSize

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- individualUnitMaximumSize

- individualUnitMinimumSize

This section is for the attribute individualUnitMaximumSize.

2.113.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule

- GDSN Content- Attribute

- GDD Attribute Name- individualUnitMaximumSize

- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The maximum or largest size of the individual unit inside the lowest level of packaging expressed as a measurement (e.g., 3 oz for a muffin).

- GDD Definition- Maximum size of the individual unit inside the lowest level of packaging.

2.113.2 Foodservice GS1 US Standards Initiative Guidance

This attribute refers to the lowest level packaging or product un-packaged which may or may not have an assigned GTIN. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

This attribute is used to describe the size and not the quantity for this level. Values expected should be ounces, pounds, kilos, etc. -- not count, pieces, sets, etc.

This particular attribute should be the largest size of the individual unit.

When populating data where there is a Minimum and Maximum set of values, these attributes should be populated with the lower limit in the minimum and the upper limit in the maximum. However, not all situations have a range for the information being requested. The table below gives guidance as best practice on how to populate.

Information Type Available	Populated In	Value
Range of Lowest to Highest	Minimum Values Field	Lowest Value
	Maximum Values Field	Highest Value
Less Than a Value	Minimum Values Field	Leave Null
	Maximum Values Field	Highest Value
Greater Than a Value	Minimum Values Field	Lowest Value
	Maximum Values Field	Leave Null
Single or Recommended Value	Minimum Values Field	Single Value populated in both fields
	Maximum Values Field	

2.113.3 Examples

EXAMPLE 1:

A Trade Item has a storage temperature range of -5 F to 36 F. Since there is a range, both Minimum and Maximum values would be populated and would be different.

Attribute	Value	UOM
maximumTemperature	36	F
minimumTemperature	-5	F

EXAMPLE 2:

A Trade Item has an individual unit size of no more than 5 oz. Since the value is a less than value, only Maximum value would be populated.

Attribute	Value	UOM
individualUnitMaximum	5	oz
individualUnitMinimum		

EXAMPLE 3:

A Trade Item has an order quantity of no less than 12. Since the value is a greater than value, only Minimum value would be populated.

Attribute	Value
orderQuantityMaximum	
orderQuantityMinimum	12

EXAMPLE 4:

A Trade Item has a recommended deliver to distribution center temperature of 25 F. Since there is no range, both Minimum and Maximum values would be populated and would be the same.

Attribute	Value	UOM
maximumTemperature	25	F
minimumTemperature	25	F

2.114 Individual Unit Measures (2 of 2) - individualUnitMinimumSize

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- individualUnitMaximumSize
- individualUnitMinimumSize

This section is for the attribute individualUnitMinimumSize.

2.114.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- individualUnitMinimumSize
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- The minimum or smallest size of the individual unit inside the lowest level of packaging expressed as a measurement (e.g., 2 oz for a muffin).
- GDD Definition- Minimum size of the individual unit inside the lowest level of packaging.

2.114.2 Foodservice GS1 US Standards Initiative Guidance

This attribute refers to the lowest level packaging or product un-packaged which may or may not have an assigned GTIN. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List. This attribute is used to describe the size and not the quantity for this level. Values expected should be ounces, pounds, kilos, etc. -- not count, pieces, sets, etc. This particular attribute should be the smallest size of the individual unit.

When populating data where there is a Minimum and Maximum set of values, these attributes should be populated with the lower limit in the minimum and the upper limit in the maximum. However, not all situations have a range for the information being requested. The table below gives guidance as best practice on how to populate.

Information Type Available	Populated In	Value
Range of Lowest to Highest	Minimum Values Field	Lowest Value
	Maximum Values Field	Highest Value
Less Than a Value	Minimum Values Field	Leave Null
	Maximum Values Field	Highest Value
Greater Than a Value	Minimum Values Field	Lowest Value
	Maximum Values Field	Leave Null
Single or Recommended Value	Minimum Values Field	Single Value populated in both fields
	Maximum Values Field	

2.114.3 Examples

EXAMPLE 1:

A Trade Item has a storage temperature range of -5 F to 36 F. Since there is a range, both Minimum and Maximum values would be populated and would be different.

Attribute	Value	UOM
maximumTemperature	36	F
minimumTemperature	-5	F

EXAMPLE 2:

A Trade Item has an individual unit size of no more than 5 oz. Since the value is a less than value, only Maximum value would be populated.

Attribute	Value	UOM
individualUnitMaximum	5	oz
individualUnitMinimum		

EXAMPLE 3:

A Trade Item has an order quantity of no less than 12. Since the value is a greater than value, only Minimum value would be populated.

Attribute	Value
orderQuantityMaximum	
orderQuantityMinimum	12

EXAMPLE 4:

A Trade Item has a recommended deliver to distribution center temperature of 25 F. Since there is no range, both Minimum and Maximum values would be populated and would be the same.

Attribute	Value	UOM
maximumTemperature	25	F
minimumTemperature	25	F

2.115 Ingredients English (& Spanish optional) (1 of 4) - ingredientStatement

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of four attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

■   ingredientStatement

■   ingredientSequence

■   ingredientName

■   ingredientFarmingAndProcessing

This section is for the attribute ingredientStatement.

2.115.1 Basic Information

■   GDSN Module- FoodAndBeverageIngredientModule

■   GDSN Content- Attribute

■   GDD Attribute Name- ingredientStatement

■   Data Type- Description5000 (Free Text 1-5000 Characters) (Language Qualified)

■   GDSN Required- Optional

■   Foodservice Best Practice- Required for Food items only

■   Foodservice Common Definition- A free form text field used to convey the list of ingredients of the product. The order of population of the list will be required by the target market into which the item is being sold. For example, in the US, it is required that the list should appear in the order as it would printed on the label in order of containment in the item from largest to smallest.

■   GDD Definition- Information on the constituent ingredient make up of the product specified as one string. Allows for the representation of the same value in different languages, but not for different values.

2.115.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The GDSN facilitates the exchange of a structured list of individual ingredients as well as an ingredient statement (one text field). The latter is incorporated to facilitate all those trading partners that currently are not able to break down the list of ingredient per ingredient. The breakdown of the ingredient list per ingredient however is mandatory in case there is a need to enable:

■   structured searches

■   specification of information per ingredient

■   Organic information

■   Content percentage

■   Country information

■   Sub-Ingredient information

This attribute is for the population of the full ingredient statement as it appears on the package. This is only provided once per Trade Item. It is required to be populated if an instance of ingredientSequence is provided. This attribute can be populated in more than one language, but not with more than one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.116 Ingredients English (& Spanish optional) (2 of 4) - ingredientSequence

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of four attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- ingredientStatement
- ingredientSequence
- ingredientName
- ingredientFarmingAndProcessing

This section is for the attribute ingredientSequence.

2.116.1 Basic Information

- GDSN Module- FoodAndBeverageIngredientModule
- GDSN Content- Attribute
- GDD Attribute Name- ingredientSequence
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional (If Module invoked)
- Foodservice Best Practice- Required   for Food items only
- Foodservice Common Definition- Number signifying the order of the ingredient. Target Market Regulations may specify the specific order of these ingredients (example: 01.02.04). Population should be highest concentration to lowest concentration. This group of attributes should be repeated for all ingredients of the Trade Item.
- GDD Definition- Integer (1, 2, 3…) indicating the ingredient order by content percentage of the product. (i.e., major ingredient = 1, second ingredient = 2, etc.).

    NOTE: Definition in process of changing to reference a different format of ##.##.##.## etc. instead of integer for sorting purposes.

2.116.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The GDSN facilitates the exchange of a structured list of individual ingredients as well as an ingredient statement (one text field). The latter is incorporated to facilitate all those trading partners that currently are not able to break down the list of ingredient per ingredient. The breakdown of the ingredient list per ingredient however is mandatory in case there is a need to enable:

- structured searches
- specification of information per ingredient
- Organic information
- Content percentage
- Country information
- Sub-Ingredient information

This attribute is for the population of a sequence number to show the structured list of ingredients. For each different ingredientSequence number, the group of attributes detailing the individual ingredients are repeated with the unique information for that ingredient (specifically: IngredientSequence, ingredientName, ingredientFarmingAndProcessing, and any other relevant ingredient level attributes).

To enable proper search and sorting functions, this sequence number is provided in the following format-##.##.##..nn. Each level is a sub-ingredient level, but in the sequence number this is represented by an additional 2 numbers after a decimal.

EXAMPLE: A hypothetical ingredient list is provided below with sub-Ingredients highlighted in coloured text to show how they are most commonly separated in an ingredient statement:

Wheat Flour (Enriched Bleached Wheat Flour (Flour, Niacin, Reduced Iron, Thiamin Mononitrate, Riboflavin, Folic Acid) Whole Wheat Flour), Water, Sugar, Glycerin, Soybean Oil, Contains 2% or less of: Wheat Gluten, Yeast, Salt, Mono- and Di-glycerides, Guar Gum, Calcium Propionate, Natural and Artificial Flavor, Sorbic Acid, Enzyme

The table below presents a sample ingredient sequence population for the hypothetical ingredient list provided above. Each sub-ingredient level starts another decimal level with a 2-digit number. Once all sub-ingredients at that level are populated, the list returns to the previous higher level sequence number:

ingredientSequence	ingredientName
01	Wheat Flour
01.01	Enriched Bleached Wheat Flour
01.01.01	Flour
01.02.02	Niacin
01.03.03	Reduced Iron
01.04.04	Thiamin Mononitrate
01.05.05	Riboflavin
01.06.06	Folic Acid
01.07	Whole Wheat Flour
02	Water
03	Sugar
04	Glycerin
05	Soybean Oil
06	Wheat Gluten
07	Yeast
08	Salt
09	Mono- and Di-glycerides
10	Guar Gum
11	Calcium Propionate
12	Natural and Artificial Flavor
13	Sorbic Acid
14	Enzyme

2.117 Ingredients English (& Spanish optional) (3 of 4) - ingredientName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of four attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- ingredientStatement
- ingredientSequence
- ingredientName
- ingredientFarmingAndProcessing

This section is for the attribute ingredientName.

2.117.1 Basic Information

- GDSN Module- FoodAndBeverageIngredientModule
- GDSN Content- Attribute
- GDD Attribute Name- ingredientName
- Data Type- Description70 (Free Text 1-70 Characters) (Language Qualified)
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- Text field indicating one ingredient or ingredient group (according to regulations of the target market). Ingredients include any additives (colorings; preservatives; e-numbers; etc.) that are encompassed. This group of attributes should be repeated for all ingredients of the trade item.
- GDD Definition- Text field indicating one ingredient or ingredient group (according to regulations of the target market). Ingredients include any additives (e.g., colorings, preservatives, e-numbers, etc.) that are encompassed.

2.117.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). The GDSN facilitates the exchange of a structured list of individual ingredients as well as an ingredient statement (one text field). The latter is incorporated to facilitate all those trading partners that currently are not able to break down the list of ingredient per ingredient. The breakdown of the ingredient list per ingredient however is mandatory in case there is a need to enable:

- structured searches
- specification of information per ingredient
- Organic information
- Content percentage
- Country information
- Sub-Ingredient information

This attribute is for the population of the individual ingredient name for each sequence number to show the structured list of ingredients. For each different ingredientSequence number, the group of attributes detailing the individual ingredients are repeated with the unique information for that ingredient (specifically: IngredientSequence, ingredientName, ingredientFarmingAndProcessing, and any other relevant ingredient level attributes). This attribute is a free-form text field in which the name of the ingredient can be populated as it appears in the ingredient statement. This attribute can be repeated using the language code to provide the ingredient name in multiple languages; however, it can only have one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.118 Ingredients English (& Spanish optional) (4 of 4) - ingredientFarmingAndProcessing

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of four attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The four attributes in this group are:

- ingredientStatement
- ingredientSequence
- ingredientName
- ingredientFarmingAndProcessing

This section is for the attribute ingredientFarmingAndProcessing.

2.118.1 Basic Information

- GDSN Module- FoodAndBeverageIngredientModule
- GDSN Content- Association
- GDD Attribute Name- ingredientFarmingAndProcessing
- Data Type- Association to the FarmingAndProcessing Module
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is an association to the farming and processing attributes as applicable for the specified ingredient of the Trade Item.
- GDD Definition-   Details on any methods and techniques used to grow or produce the ingredient.

2.118.2 Foodservice GS1 US Standards Initiative Guidance

This is an association which allows for the Farming and Processing module of attributes to be populated at the ingredient level for the specified ingredient. This module provides attributes for country of origin, and place of activity information.

2.119 Inner Pack Quantity (No GTIN Assigned)

2.119.1 Basic Information

- GDSN Module- TradeItemHierarchyModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfInnerPack
- Data Type- nonNegativeInteger
- GDSN Required- Optional
- Foodservice Best Practice- Required (According to GDSN Rules)
- Foodservice Common Definition- Where a GTIN is not assigned to an inner pack, this number denotes the number of inner packs contained in a GTIN. Expressed at the lowest hierarchy level above the innerpack.
- GDD Definition- Indicates the number of non-GTIN assigned inner-packs of next lower level Trade Items within the current GTIN level.

2.119.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is only populated when there is at least one physical packaging level below this GTIN but a GTIN is not assigned to this lower level.

This attribute reflects the number of immediate next lower level packages that are contained in this GTIN.

2.120 Is Item the Base Unit? (Lowest Packaging Level)

2.120.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemABaseUnit
- Data Type- Boolean (Yes/No)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- An indicator identifying if the packaging level is the lowest level of an item's hierarchy. This level cannot have any lower levels.
- GDD Definition- An indicator identifying the Trade Item as the base unit level of the Trade Item hierarchy.

2.120.2 Foodservice GS1 US Standards Initiative Guidance

This is an indication that this GTIN (product hierarchy level) is the lowest level in the hierarchy and as such, there will be no child GTINs below this GTIN. This attribute can and must be always TRUE for the lowest level of the hierarchy. (Note: there may be multiple Trade Items at the lowest level of an item hierarchy.)

2.121 Is Packaging Marked as Returnable?

2.121.1 Basic Information

- GDSN Mandatory- PackagingMarkingModule
- GDSN Content- Attribute
- GDD Attribute Name- isPackagingMarkedReturnable
- Data Type- Boolean (Yes/No)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Identifies if the packaging is marked that it can be returned to the source. Such packaging would then be reused or recycled for reuse in packaging other items.
- GDD Definition- Trade Item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned. Attribute applies to returnable packaging with or without deposit.

2.121.2 Foodservice GS1 US Standards Initiative Guidance

This refers to the packaging for this GTIN level, and not the product itself. This is the empty shipping container, primarily. This is an indication that the product has a mark(s) which specify that the packaging is returnable. A value of TRUE provides that the packaging can be returned to the Manufacturer for reuse or recycling (based on the type of packaging). This attribute can be TRUE for several levels of the hierarchy depending on the need and specific manner in which the hierarchy is built. Example: for Chicken in a tote, the tote is returnable so the value here would be YES.

2.122 Is the Item Marked As Recyclable?

2.122.1 Basic Information

- GDSN Module- PackagingMarkingModule
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemMarkedAsRecyclable
- Data Type- Boolean (Yes/No)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Identifies if a package level is marked with an indicator signifying the item can be recycled.
- GDD Definition- Trade Item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.

2.122.2 Foodservice GS1 US Standards Initiative Guidance

This is an indicator that the product is marked as being recyclable.

2.123 Is the Item Marked with a Batch/Lot Number?

2.123.1 Basic Information

- GDSN Module- PackagingMarkingModule
- GDSN Content- Attribute
- GDD Attribute Name- hasBatchNumber
- Data Type- Boolean (Yes/No)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- Identifies if an item is marked with a batch or lot number.
- GDD Definition- Indication of whether the base Trade Item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or not batch or lot number allocated. A batch or lot number is a Manufacturer assigned code used to identify a Trade Item's batch or lot. Differs from Serial Number which is a Manufacturer assigned code during the Trade Item on cycle to identify a unique Trade Item.

2.123.2 Foodservice GS1 US Standards Initiative Guidance

This attribute will identify if a GTIN is marked with a batch or lot number. This is only an indication that the batch or lot number is on the package, not a report of the actual batch or lot number itself. Should actual numbers be needed, the user needing the numbers should refer to the packaging or to transactional messages to obtain the batch or lot numbers. If the packaging level is marked with lot or batch information, then the value for the pack level should be set to "TRUE."

2.124 Is Trade Item Consumer Unit?

2.124.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemAConsumerUnit
- Data Type- Boolean (Yes/No)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- An indicator signifying this packaging level is the unit of end consumption.
- GDD Definition- Identifies whether the Trade Item is to be taken possession of, or to be consumed or used by an end user or both, as determined by the Manufacturer. The end user could be, but is not limited to, a consumer as in items sold at retail, or a patient/clinician/technician in a healthcare setting, or an Operator for foodservice such as restaurants, airlines, cafeterias, etc.

2.124.2 Foodservice GS1 US Standards Initiative Guidance

This indicator is populated when this GTIN level is considered the unit of end consumption. This means this is the level of the hierarchy which is intended to be consumed by the consumer or end user of the Trade Item.

At least one level in a packaging hierarchy must have a value of TRUE for this attribute. Most data pools will default a value of FALSE, unless a value of TRUE is provided.

This is not an indicator of the level being marked to cross Point of Sale (POS) systems. That indication is determined by the data carrier type (barcode type) for the GTIN. To cross a POS system, a GTIN must be marked with or carry an EAN-8, UPC-A, EAN-13, GS1 DataBar, or an EPC/RFID tag. For more information, see Bar Code / Data Carrier.

Recipients will use the Data Carrier value to determine how their systems will interact with the Trade Item. If the Data Carrier of the GTIN is a Point of Sale carrier (i.e., EAN-8, EAN-13, UPC-A, and/or GS1 DataBar), the item may be set up in those systems. POS systems are not set up to handle logistics Data Carrier (i.e., GS1-128, ITF-14, and/or GS1 DataMatrix). The logistics carriers are more typically used in inventory, shipping and receiving, and transportation systems. EPC Tags are RFID tags which utilize the GS1 Electronic Product Code (EPC) standards to encode GTINs and serial information to identify the item. These tags can be used in either POS or Logistics environment and will have other means to determine their use.

To further assist in determining if an item is intended by the Manufacturer to be a POS unit, recipients can use to the mandatory indicators for the GTIN. These indicators detail the intentions of the manufacturer for the GTIN. See the table below for these indicators.

Indicator	Indication noted	Eligibility for POS Unit	
isTradeItemABaseUnit	Defines the lowest unit GTIN in the packaging hierarchy	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAConsumerUnit	Defines the unit of end consumption	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAnInvoiceUnit	Defines if the GTIN can be used in invoices received from the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemAnOrderableUnit	Defines if the GTIN can be used in orders placed with the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible
isTradeItemADespatchUnit	Defines if the GTIN can be used in shipments sent from the Information Provider	POS Data Carrier	Eligible
		Logistics Data Carrier	Not Eligible

2.125 Is Trade Item an Invoice Unit?

2.125.1 Basic Information

- GDSN Module- CoreItem

- GDSN Content- Attribute

- GDD Attribute Name- isTradeItemAnInvoiceUnit

- Data Type- Boolean (Yes/No)

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition-

- An indicator identifying the item packaging level may appear on an invoice. This level may or may not be the shipping unit.

- GDD Definition-

- An indicator identifying that the Information Provider will include this Trade Item on their billing or invoice. This may be relationship dependent based on channel of trade or other point to point agreement.

2.125.2 Foodservice GS1 US Standards Initiative Guidance

This indicator is populated when this GTIN level can appear on an invoice from the Information Provider to the Recipient.

This value may be different from each Information Provider for this GTIN. For example, a Manufacturer, the Information Provider on the message for the GTIN, sells a GTIN to a Distributor. This attribute has a set value for this relationship. The Distributor, the Information Provider on an additional message for the GTIN, sells the GTIN to an Operator or Retailer. This attribute can have the same or a different value as

was in the message they received from the Manufacturer. This provides the value which is relevant for the selling relationship between the Information Provider and the Recipient.

This value can be Relationship or Trading Partner Dependent. This allows for recipients to have different values. The value would be based on how the item is invoiced between the Information Provider and Recipient. To accomplish this, it is recommended to have a global value as a base line. This would be a value without a specific Recipient GLN or list of Recipient GLNs. Then enter the values which would be Recipient specific with the associated Recipient GLN(s) as needed. The result will be that all recipients who are not on the "White List" for specific values would receive the global value. The "White List" Recipients would be sent the values specified for them and not the global value.

At least one level in a packaging hierarchy must have a value of TRUE for this attribute. Most data pools will default a value of FALSE, unless a value of TRUE is provided.

2.126 Is Trade Item an Orderable Unit?

2.126.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemAnOrderableUnit
- Data Type- Boolean (Yes/No)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- An indicator identifying the item packaging level is orderable. This level may or may not be the shipping unit
- GDD Definition- An indicator identifying that the Information Provider considers this Trade Item to be at a hierarchy level where they will accept orders from customers. This may be different from what the Information Provider identifies as a despatch unit. This may be a relationship dependent based on channel of trade or other point to point agreement.

2.126.2 Foodservice GS1 US Standards Initiative Guidance

This indicator is populated when this GTIN level can appear on an order placed with the Information Provider by the Recipient.

This value may be different for each Information Provider for this GTIN. For example, a Manufacturer (serving as the Information Provider on a message for the GTIN) sells a GTIN to a Distributor. This attribute has a set value for this relationship. The Distributor (serving as the Information Provider on an additional message for the GTIN) sells the GTIN to an Operator or Retailer. This attribute can have the same or a different value as was in the message the Distributor received from the Manufacturer. This attribute provides the value which is relevant for the selling relationship between the Information Provider and the Recipient.

This value can be Relationship or Trading Partner dependent. This allows for recipients to have different values. The value would be based on how the item is invoiced between the Information Provider and Recipient. To accomplish this, it is recommended to have a global value as a baseline. This would be a value without a specific Recipient GLN or list of Recipient GLNs. Then enter the values which would be Recipient-specific with the associated Recipient GLN(s) as needed. The result will be that all recipients who are not on the "White List" for specific values would receive the global value. The "White List" Recipients would be sent the values specified for them and not the global value.

At least one level in a packaging hierarchy must have a value of TRUE for this attribute. Most data pools will default a value of FALSE, unless a value of TRUE is provided.

2.127   Is Trade Item Probiotic?

2.127.1 Basic Information

- GDSN Module- FoodAndBeveragePropertiesInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- microbiologicalOrganismCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Indicator signifying that the Manufacturer has determined the Trade Item contains probiotics.
- GDD Definition- Code indicating the type of microbiological organism.

2.127.2 Foodservice GS1 US Standards Initiative Guidance

This is a code to signify the type of microbiologic organisms which are in the Trade Item. While the Foodservice Initiative has acknowledged this attribute as Voluntary/Optional, it is part of a group of attributes which can be repeated as a group for each microbiological organism which is to be claimed in the Trade Item.

It is recommended to provide this information if it is noted on the packaging or in consumer or end user information.

2.127.3 Code List Values

See the MicrobiologicalOrganismCode List for the codes that may be used for this attribute.

2.128   Is Trade Item Reinstated?

2.128.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemReinstated
- Data Type- Boolean (Yes/No)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Indicator stating the Trade Item is being reinstated and will no longer be cancelled or discontinued. The canceledDate or discontinuedDate has been altered to reflect the reinstatement.
- GDD Definition- Indicator stating the Trade Item is being reinstated and will no longer be cancelled or discontinued. The canceledDate or discontinuedDate has been altered to reflect the reinstatement.

2.128.2 Foodservice GS1 US Standards Initiative Guidance

N/A

2.129 Is Trade Item a Shipping Unit?

2.129.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemADespatchUnit
- Data Type- Boolean (Yes/No)
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- An indicator signifying this packaging level is a shippable level. This level may or may not be the ordering unit.
- GDD Definition- An indicator identifying that the Information Provider considers the Trade Item as a despatch (shipping) unit. This may be relationship dependent based on channel of trade or other point-to-point agreement.

2.129.2 Foodservice GS1 US Standards Initiative Guidance

This indicator is populated when this GTIN level can appear on a shipment notice e.g., (BOL, ASN, etc.) from the Information Provider to the Recipient.

This value may be different for each Information Provider for this GTIN. For example, a Manufacturer (serving as the Information Provider on a message for the GTIN) sells a GTIN to a Distributor. This attribute has a set value for this relationship. The Distributor (serving as the Information Provider on an additional message for the GTIN) sells the GTIN to an Operator or Retailer. This attribute can have the same or a different value as was in the message the Distributor received from the Manufacturer. This attribute provides the value which is relevant for the selling relationship between the Information Provider and the Recipient.

This value can be Relationship or Trading Partner dependent. This allows for recipients to have different values. The value would be based on how the item is invoiced between the Information Provider and Recipient. To accomplish this, it is recommended to have a global value as a baseline. This would be a value without a specific Recipient GLN or list of Recipient GLNs. Then enter the values which would be Recipient-specific with the associated Recipient GLN(s) as needed. The result will be that all recipients who are not on the "White List" for specific values would receive the global value. The "White List" Recipients would be sent the values specified for them and not the global value.

At least one level in a packaging hierarchy must have a value of TRUE for this attribute, unless the item is a non-physical unit (e.g., service or digital download). Most data pools will default a value of FALSE, unless a value of TRUE is provided.

2.130 Item Availability Date

2.130.1 Basic Information

- GDSN Module- DeliveryPurchasingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- startAvailabilityDateTime
- Data Type- Date (CCYY-MM-DDTHH:MM:SS)
- GDSN Required- Mandatory
- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- Indicates when the product is available for sale from the Manufacturer. (Initial population is for current or future date.)

- GDD Definition- The date (CCYY-MM-DDTHH:MM:SS) from which the Trade Item becomes available from the supplier, including seasonal or temporary Trade Items and services.

2.130.2 Foodservice GS1 US Standards Initiative Guidance

Indicates when the product is available for sale from the Information Provider. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the start availability of the Trade Item, enter zeroes for the time to signify the beginning of the day.

2.131 Item in Inner Pack Quantity (No GTIN Assigned)

2.131.1 Basic Information

- GDSN Module- TradeItemHierarchyModule

- GDSN Content- Attribute

- GDD Attribute Name- quantityOfNextLevelTradeItemWithinInnerPack

- Data Type- Integer

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- Where a GTIN is not assigned to an item in the inner pack (inner pack does not have a GTIN assigned), this number denotes the number of items contained in the inner pack GTIN. Expressed at the lowest hierarchy level above the item.

- GDD Definition- Indicates the number of next lower level Trade Items contained within the physical non-GTIN assigned each or inner-packs (inner-pack).

2.131.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the quantity of lower level packages or un-packaged product below the Inner Pack where no GTIN is assigned to that lower level.   This attribute would be a value of "1" if the quantity of lowest level packaging or un-packaged product varies or is not guaranteed.

While this attribute is marked as Required, it should only be used where the items in the innerpack have no assigned GTIN. Otherwise, these items would appear in the packaging hierarchy as their own level with a GTIN.

2.132 Kosher, Organic, Vegan, Halal, Gluten Free, etc. (1 of 2) - dietTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- dietTypeCode

- dietTypeSubcode

This section is for the attribute dietTypeCode.

2.132.1 Basic Information

- GDSN Module- DietInformationModule

- GDSN Content –Attribute

- GDD Attribute Name- dietTypeCode

- Data Type- Code

- GDSN Required- Mandatory (If Module invoked)

- Foodservice Best Practice- Required for Food items Only

- Foodservice Common Definition- Code indicating the diet type for which the product is suitable. (The KOSHER value should only be selected if the Trade Item has been certified Kosher by a Kosher certification agency.) This group of attributes can be repeated for as many diet types as are applicable for the Trade Item.

- GDD Definition- Code indicating the diet the product is suitable for.

2.132.2 Foodservice GS1 US Standards Initiative Guidance

This is code value to specify the diet types for which the item is applicable and is for food products only. See the DietTypeCode List for the codes that may be used for this attribute. This attribute is part of a group which can be repeated for all diet types which need to be specified.

This attribute defines the main level of diet type. Additional information or further detail of the diet type may be needed to further provide detail, such as Dairy or Meat as a subset of Kosher. This additional information is to be provided in the attribute dietTypeSubCode and would be provided with the appropriate dietTypeCode.

The list of code values for the dietTypeSubCode will vary by target market. Some of the values for the US market are:

For Kosher:

- Meat

- Fish

- Dairy

- Pareve

- Meat for Passover

- Fish for Passover

- Dairy for Passover

- Pareve for Passover

For Vegetarian:

- Ovo

- Lacto

- Pesca

- Lacto-Ovo

- Lacto-Ovo-Pesca

For the diet type "FREE_FROM_GLUTEN", this refers (in the U.S.) to items which contain less than or equal to 20mg/kg of gluten. If the gluten content is higher than 20mg/kg, then the value can not be populated as the item is not considered to be gluten free. The FDA rule also requires foods with the claims "no gluten," "free of gluten," and "without gluten" to meet the definition for "gluten-free."

There are many potential issues in labeling foods as "vegetarian" or "vegan." The following points are a starting point for discussion. For more information, contact The Vegetarian Resource Group (VRG). Note that VRG does not certify products, but can share results of polls, research, and anecdotal opinions of consumers.

- Vegetarian food does not contain meat, fish/seafood, fowl, or other ingredients that involve killing such as gelatin, chicken broth, animal rennet, or carmine.

- Vegan food is vegetarian food that does not contain meat, fish/seafood, fowl, eggs, dairy, honey, or any other ingredients from an animal, which may or may not involve killing such as vitamin D3 derived from lanolin from sheep's wool, L-cysteine from duck feathers, or beeswax.

- In America, historically vegetarians may have eaten eggs; but in certain other cultures eggs are not considered vegetarian. On college campuses which tend to be diverse, a clear definition of vegetarian foods should be used. If eggs are included, this should be clearly indicated. Vegetarian foods should be cooked separately from non-vegetarian foods (separate grills, for instance).

All trading partners should take into consideration the following factors:

1. Like those that keep Kosher, vegetarian and vegan individuals may make different choices. But, food Manufacturers should stick to the strictest definition. For examples of data on a few different opinions, see http://www.vrg.org/blog/2012/04/18/sugar-vegan-deli-slices-whole-grains-meat-genes-what-will-vegans-and-vegetarians-eat-vrg-asks-in-a-new-national-harris-poll/

2. If you label a product as "vegetarian" or "vegan," then you should know the sources of the micro-ingredients and processing aids, which should all be vegetarian or vegan. Here are some ingredient issues to consider: http://www.vrg.org/ingredients/index.php

3. For example, there are different opinions among "vegetarians" and "vegans" about the process used by some sugar companies to decolorize cane sugar using an animal bone char. If you are labeling a product "vegetarian" or "vegan," you should use organic sugar or another sugar you know is not processed with animal bone char.

4. Today, many foods are processed and contain questionable micro-ingredients and processing aids. (See http://www.vrg.org/ingredients/index.php) Ingredients and their sources can change. The list of ingredient sources is dependent on Manufacturer information, and mistakes can easily be made. Companies need to be careful not to substitute non-vegetarian or non-vegan ingredients in products labeled as "vegetarian" or "vegan."

5. Vegetarian and vegan products should have clear labeling of ingredients. If an ingredient can be vegetarian or not, indicate on the label that the ingredient is vegetarian when it is, such as sugar or monoglycerides.

6. As vegetarians and vegans have more information and there are new products, the expectations of vegetarian and vegan products will evolve.

FOR MANUFACTURERS:

The following are aspects Manufacturers should also take into consideration:

- Manufacturers are meeting the needs of people who may only eat one vegetarian meal per week to strict vegetarians and vegans. See http://www.vrg.org/journal/vj2011issue4/vj2011issue4poll.php

- Companies that produce vegetarian foods should have a section on their website which lists sources of ingredients for the vegetarian foods.

- If you are unsure of an ingredient or processing aid, either do not use it or do not label the product "vegetarian" or "vegan."

- In an ideal world, vegetarian foods would be manufactured separately from non-vegetarian foods. This is often not practical. Today, there should be strict cleaning of equipment as you would if kosher products are prepared on the same equipment as non-kosher products, or dairy-free products/products without nuts are made on the same equipment manufacturing foods with dairy or nuts. There should be disclosure on the package and website so the consumer can make his/her own decision.

FOR OPERATORS:

The following are aspects Operators should also take into consideration:

- Operators are meeting the needs of people who may eat only one vegetarian meal per week to strict vegetarians and vegans. See http://www.vrg.org/journal/vj2011issue4/vj2011issue4poll.php

■ Operators should have clear disclosure and labeling of all items and details about preparation (e.g., if a separate grill used). This information and a list of all ingredients should be easily accessible in the dining hall and on-line.

2.132.3 Code List Values

See the DietTypeCode List for the codes that may be used for this attribute.

2.133 Kosher, Organic, Vegan, Halal, Gluten Free, etc. (2 of 2) - dietTypeSubcode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

■ dietTypeCode

■ dietTypeSubcode

This section is for the attribute dietTypeSubcode.

2.133.1 Basic Information

■ GDSN Module- DietInformationModule

■ GDSN Content –Attribute

■ GDD Attribute Name- dietTypeSubcode

■ Data Type- string (Text 1-80 Characters)

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- A subcode which further classifies the diet type code. This applicable code list is specified by the GS1 Member Organization for the Target Market of the Trade Item. This group of attributes can be repeated for as many diet types as are applicable for the Trade Item.

■ GDD Definition- Indicates a set of agreements or a certificate name that guarantees the product is permitted in a particular diet.

2.133.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides further detail of the diet type may be needed to further provide detail, such as Dairy, or Meat as a subset of Kosher. This additional information is to be provided in the attribute dietTypeSubCode and would be provided with the appropriate dietTypeCode. The list of code values for the dietTypeSubCode will vary by target market. Some of the values for the US market are:

For Kosher:

■ Meat

■ Fish

■ Dairy

■ Pareve

■ Meat for Passover

■ Fish for Passover

■ Dairy for Passover

■ Pareve for Passover

For Vegetarian:

■ Ovo

■ Lacto

■ Pesca

■ Lacto-Ovo

■ Lacto-Ovo-Pesca

2.133.3 Code List Values

See the DietTypeSubCode List for the codes that may be used for this attribute.

2.134 Kosher, Gluten, Vegetarian, etc. Certification (1 of 6) - dietCertification

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute dietCertification.

2.134.1 Basic Information

- GDSN Module- DietInformation
- GDSN Content- Association
- GDD Attribute Name- dietCertification
- Data Type- Association to CertificationInformationModule
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional, but may be Required by some data recipients
- Foodservice Common Definition- This is an association to the Certification Attributes for the diet type certifications.
- GDD Definition- A certification associated with a specific diet.

2.134.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This is a qualifier to denote that this instance of the certification attributes are for a diet type. This group of attributes are populated as part of a specific dietTypeCode. They can be repeated for as many different certifications are applicable for that diet type.

2.135 Kosher, Gluten, Vegetarian, etc. Certification (2 of 6) - certificationAgency

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationAgency.

2.135.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationAgency
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The name of the Certification Agency which owns the certification standard for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.

2.135.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the agency or certification body which manages the certification criteria against which the item has been certified.

2.136 Kosher, Gluten, Vegetarian, etc. Certification (3 of 6) - certificationStandard

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationStandard.

2.136.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationStandard
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The name of the certification standard, controlled by of the Certification Agency, for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- Name of the certification standard. Free text. Example: Egg classification.

2.136.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the name of the certification standard, controlled by of the Certification Agency, for which the Trade Item is applicable.

2.137 Kosher, Gluten, Vegetarian, etc. Certification (4 of 6) – certificationEffectiveStartDate

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationEffectiveStartDate.

2.137.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationEffectiveStartDate
- Data Type- DateTime
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The start date of the certification for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- The date and time upon which the certification is effective.

2.137.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the date and time upon which the item's certification begins. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the certification to begin, enter zeroes for the time to signify the beginning of the day.

2.138 Kosher, Gluten, Vegetarian, etc. Certification (5 of 6) – certificationEffectiveEndDate

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationEffectiveEndDate.

2.138.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationEffectiveEndDate
- Data Type- DateTime
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The end date of the certification for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- The date and time upon which the certification is no longer effective.

2.138.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes the date and time upon which the item's certification ends or expires. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the certification to end, enter zeroes for the time to signify the beginning of the day.

2.139 Kosher, Gluten, Vegetarian, etc. Certification (6 of 6) – certificationIdentification

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of six attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance.

The six attributes in this group are:

- dietCertification
- certificationAgency
- certificationStandard
- certificationEffectiveStartDate
- certificationEffectiveEndDate
- certificationIdentification

This section is for the attribute certificationIdentification.

2.139.1 Basic Information

- GDD Module- CertificationInformationModule
- GDD Content- Attribute
- GDD Attribute Name- certificationIdentification
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Identification or certification number for the certification standard, controlled by the Certification Agency, for which the Trade Item is applicable. This group of attributes are repeated for all applicable certifications.
- GDD Definition- A reference issued to confirm that something has passed certification.

2.139.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

Certification attributes are used to describe any certifications for which the item has been qualified. The certification can be based on an inspection or review of the item and/or its qualifying criteria by a certification body, or it can be a self-certification against a certain set of criteria from a certification body.

This attribute denotes an identification or certificate number assigned to the item's certification by the certification agency. If the item has such an identification number, it should be provided. If the certification does not have a specific identification number, this attribute does not need to be provided.

2.140 Lethal Dose Concentration (1 of 7) - lethalConcentration50

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute lethalConcentration50.

2.140.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- lethalConcentration50
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Statistical concentration that can be expected to cause death in 50% of test species. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- Median Lethal Concentration is a statistically derived concentration of a substance that can be expected to cause death in 50% of test animals. It is usually expressed as the weight of substance per weight or volume of water, air or feed (e.g., mg/l, mg/kg or ppm).

2.140.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute details the chemical concentration level which was tested to be lethal for 50% of the test species.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.141 Lethal Dose Concentration (2 of 7) - lethalConcentration50Basis

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute lethalConcentration50Basis.

2.141.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- lethalConcentration50Basis
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The basis amount against which the lethal concentration percentage was calculated. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- The basis measurement for the measurement of Median Lethal Concentration (e.g., 1 LT in the ratio 10 MG/1 LT).

2.141.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute details the basis amount used to calculate the chemical concentration level which was tested to be lethal for 50% of the test species as noted in the attribute lethalConcentration50.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.142 Lethal Dose Concentration (3 of 7) - lethalDose50

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute lethalDose50.

2.142.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- lethalDose50
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Statistical single does that can be expected to cause death in 50% of test species. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- Lethal Dose 50 is a statistically derived single dose that can be expected to cause death in 50% of the test animals when administered by the route indicated (e.g., oral, dermal, inhalation, etc.). It is expressed as a weight of substance per unit weight of animal (e.g., mg/kg).

2.142.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute details the single dose of the chemical which was tested to be lethal for 50% of the test species.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.143 Lethal Dose Concentration (4 of 7) - lethalDose50Basis

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute lethalDose50Basis.

2.143.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- lethalDose50Basis
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The basis amount against which the lethal dose percentage was calculated. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- The basis measurement for the measurement of a Lethal Dose (e.g., 1 LT in the ratio 10 MG/1 LT).

2.143.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute details the basis amount used to calculate the single dose of the chemical which was tested to be lethal for 50% of the test species as noted in the attribute lethalDosage50.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.144 Lethal Dose Concentration (5 of 7) - routeOfExposureCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute routeOfExposureCode.

2.144.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- routeOfExposureCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The contact method by which an organism can come into contact with chemical. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- The means by which living organisms can come into contact with a hazardous substance (e.g., dermal, Inhalation, ingestion, etc.).

2.144.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute details the method by which the test species was administered the chemical for testing of the lethal dosage or concentration.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.144.3 Code List Values

See the RouteOfExposureCode List for the codes that may be used for this attribute.

2.145 Lethal Dose Concentration (6 of 7) - testSpeciesCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute testSpeciesCode.

2.145.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- testSpeciesCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A code to identify the test species which was used to determine the lethal dose concentration. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- The species of animal that was used for determining LC and LD 50 expressed as a code (e.g., RAT).

2.145.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section provides detail about the lethal nature of the chemical(s) in the item. This attribute is a code value to denote the species of test subject used to test the lethal nature of the chemicals in the item.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.145.3 Code List Values

See the TestSpeciesCode List for the codes that may be used for this attribute.

2.146 Lethal Dose Concentration (7 of 7) - testSpeciesDescription

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- lethalConcentration50
- lethalConcentration50Basis
- lethalDose50
- lethalDose50Basis
- routeOfExposureCode
- testSpeciesCode
- testSpeciesDescription

This section is for the attribute testSpeciesDescription.

2.146.1 Basic Information

- GDD Module- SafetyDataSheetModule
- GDD Content- Attribute
- GDD Attribute Name- testSpeciesDescription
- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A description of the test species which was used to determine the lethal dose concentration. This group of attributes can be repeated for as many test scenarios as are provided for chemical ingredient.
- GDD Definition- A description of any species of animal that was used for determining LC and LD other than the norm.

2.146.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is provided as part of the structure data for the Safety Data Sheets. This section is provides detail about the lethal nature of the chemical(s) in the item. This attribute is a free form text description to denote the species of test subject used to test the lethal nature of the chemicals in the item. This description should match the code specified in the attribute testSpeciesCode

This value can be specified in language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

This group of attributes can be repeated for each set of Lethal Dose Concentration information which needs to be provided. The attributes in the group all inter-relate and if a value is different, the group should be repeated for that additional value.

2.147 Links to Safety Data Sheet (1 of 7) - referencedFileTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute referencedFileTypeCode.

2.147.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- referencedFileTypeCode
- Data Type-Code List
- GDSN Required- Mandatory (If module invoked)
- Foodservice Best Practice- Required
- Foodservice Common Definition- Code identifying the type of information in the file (e.g., CHILD_NUTRITION_LABEL, PRODUCT_IMAGE, SAFETY_DATA_SHEET, etc.). This group of attributes can be repeated for as many images or external files as are needed for the item.
- GDD Definition- Type of file that is being referenced (e.g., Safety Data Sheet or Product Image).

2.147.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This instance of this group of attributes specifically provides a link to the Safety Data Sheet(s) for the item. This attribute specifies that the file which can be found at the link being provided in the attribute uniformResourceIdentifier is a Safety Data Sheet. For each link, this value must be provided. For a Safety Data Sheet, the following value should be used:

- SAFEETY_DATA_SHEET- For documents which are Safety Data Sheet(s) for the item

2.147.3 Code List Values

See the SDS File Type Codes List for the codes that may be used for this attribute.

2.148 Links to Safety Data Sheet (2 of 7) - uniformResourceIdentifier

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute uniformResourceIdentifier.

2.148.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- uniformResourceIdentifier
- Data Type- string (Text 1-2500 Characters)
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required
- Foodservice Common Definition- The URL link for the external file. The file can be an image, document, website, video or audio. Simple text string that refers to a resource on the internet. This group of attributes can be repeated for as many images or external files as are needed for the item.
- GDD Definition- Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc.

2.148.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual link to the file which is being detailed in this group of attributes. This group of attributes can be repeated for as many files as need to be linked to the item. Each file should have a unique link. Each link would have a qualifier code assigned using the referencedFileTypeCode. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.149 Links to Safety Data Sheet (3 of 7) - fileFormatName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute fileFormatName.

2.149.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileFormatName

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The name of the file format (e.g., PDF, JPEG, BMP, etc.). This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition-   The name of the file format (e.g., PDF, JPEG, BMP, etc.).

2.149.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute specifies the format name of the file (image) which can be found at the link being provided in the attribute uniformResourceIdentifier. This group of attributes can be repeated for as many files as need to be linked to the item. For specific GS1 US Foodservice guidance on imaging, please review the current   Product   Images   Application   Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.150 Links to Safety Data Sheet (4 of 7) - contentDescription

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute contentDescription.

2.150.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- contentDescription
- Data Type- Description70 (Free Text 1-70 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- A free-form descriptive term used to provide insight as to the contents of the file at the listed URL. This group of attributes can be repeated for as many images or external files as are needed for the item.
- GDD Definition-   Free-form description of the content of the file.

2.150.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute is a description of the contents of the file which can be found at the link being provided in the attribute uniformResourceIdentifier.

This value can be specified in language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.151 Links to Safety Data Sheet (5 of 7) - fileName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute fileName.

2.151.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileName

- Data Type- string (1-70 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The file name for this item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition-   The name of the file that contains the external information.

2.151.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute specifies the name of the file (image) which can be found at the link being provided in the attribute uniformResourceIdentifier. This name, when used for an image of the product, should follow the GDSN Image Standard guidance for naming: (http://www.gs1.org/docs/gsmp/gdsn/Product_Image_Specification.pdf).

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.152 Links to Safety Data Sheet (6 of 7) - fileEffectiveEndDateTime

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute fileEffectiveEndDateTime.

2.152.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileEffectiveEndDateTime

- Data Type- DateTime (CCYY-MM-DDTHH:MM:SS)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The date on which this file should no longer be used for this Trade Item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- The date upon which the target of this external link ceases to be effective for use.

2.152.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item. This attribute specifies the date/time when the file (image) which can be found at the link being provided in the attribute uniformResourceIdentifier should no longer be used by the recipients of the GDSN Message. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the cancellation of the Trade Item, enter zeroes for the time to signify the beginning of the day.

When the link contains several files, this date refers to the individual file, which is listed in the attribute fileName in the group of attributes in which this value is provided. When the link is to a website, the start date is optional, but may be used to signify when the site is available for use. When the link is to a website, the end date is optional, but may be used to signify when the site is no longer available for use. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.153 Links to Safety Data Sheet (7 of 7) - fileEffectiveStartDateTime

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute fileEffectiveStartDateTime.

2.153.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileEffectiveStartDateTime

- Data Type- DateTime (CCYY-MM-DDTHH:MM:SS)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The date from which this file can be used for this Trade Item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- The date upon which the target of this external link begins to be effective for use.

2.153.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item. This attribute specifies the date/time when the file (image) found at the link being provided in the attribute uniformResourceIdentifier can begin to be used by the recipients of the GDSN Message. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the cancellation of the Trade Item, enter zeroes for the time to signify the beginning of the day.

When the link contains several files, this date refers to the individual file, which is listed in the attribute fileName in the group of attributes in which this value is provided. When the link is to a website, the start date is optional, but may be used to signify when the site is available for use. When the link is to a website, the end date is optional, but may be used to signify when the site is no longer available for use. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (https://www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.154 Links to Websites, Images, Documents, Video, Audio Files (1 of 7) - referencedFileTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute referencedFileTypeCode.

2.154.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- referencedFileTypeCode

- Data Type-Code List

- GDSN Required- Mandatory (If module invoked)

- Foodservice Best Practice- Required

- Foodservice Common Definition- Code identifying the type of information contained in the file (e.g., CHILD_NUTRITION_LABEL, PRODUCT_IMAGE, SAFETY_DATA_SHEET, etc.). This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- The type of file being referenced (e.g., Safety Data Sheet, Product Image, etc.).

2.154.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute specifies the type of file (image) which can be found at the link being provided in the attribute uniformResourceIdentifier. For each link, this value must be provided. See the ReferencedFileTypeCode List for the codes that may be used for this attribute.

The primary types to be used are listed below, but any others can be sent as additional beneficial information:

Certification Links

- CERTIFICATION- For documents relating to certifications for which the item has earned, or is applicable.

- DIET_CERTIFICATION- For documents relating to a diet certifications for which the item has been certified (e.g., a Kosher Certificate).

Chemical/Safety Data Links

- CHEMICAL_ASSESSMENT_SUMMARY- For documents containing chemical ingredient summaries as provided by the Manufacturer of the item from a certified third party (or certified self-assessment) chemical assessment program.

- CHEMICAL_SAFETY_REPORT- For documents containing chemical ingredient risk summaries as provided to the Manufacturer about the item.

- HAZARDOUS_SUBSTANCES_DATA- For documents which contain additional data about the control of the item as it relates to hazardous substances the item contains.

- SAFEETY_DATA_SHEET- For documents which are Safety Data Sheet(s) for the item.

- SAFETY_SUMMARY_SHEET- For documents which are available as a summary for how to handle emergency situations that might arise when handling or using the item.

- TESTING_METHODOLOGY_RESULTS- For documents which detail the testing procedures and methods used to develop the safety, hazardous and/or chemical assessment information.

Nutrition Links

- CHILD_NUTRITION_LABEL- For image of the Child Nutrition (CN) label as it is printed on the packaging.
- PRODUCT_FORMULATION_STATEMENT- For documents of the signed Product Formulation Statement (PFS) label as is available for the item.

Image Links

- OUT_OF_PACKAGE_IMAGE- For images of the product when removed from packaging (e.g., styled or plated images).
- PRODUCT_IMAGE- For images of the product typically in packaging.
- PRODUCT_LABEL_IMAGE- For images specifically of the label or labels for the product.

Website Links

- PRODUCT_WEBSITE- Link to a website which is specific for the item. This is not the company's main website, but a specific site for this item.
- RECIPE_WEBSITE- Link to a website where recipes or menu ides can be retrieved for this item.
- WEBSITE- For links to the main corporate website.

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.154.3 Code List Values

See the ReferencedFileTypeCode List for the codes that may be used for this attribute.

2.155 Links to Websites, Images, Documents, Video, Audio Files (2 of 7) - uniformResourceIdentifier

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute uniformResourceIdentifier.

2.155.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- uniformResourceIdentifier

- Data Type- string (Text 1-2500 Characters)

- GDSN Required- Mandatory (If Module invoked)

- Foodservice Best Practice- Required

- Foodservice Common Definition- The URL link for the external file. The file can be an image, document, website, video or audio. Simple text string that refers to a resource on the internet. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- Simple text string that refers to a resource on the internet. URLs may refer to documents, resources, people, etc.

2.155.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This attribute is the actual link to the file which is being detailed in this group of attributes. Each file should have a unique link.   Each link would have a qualifier code assigned using the referencedFileTypeCode. This group of attributes can be repeated for as many files as need to be linked to the item.

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.156   Links to Websites, Images, Documents, Video, Audio Files (3 of 7) - fileFormatName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute fileFormatName.

2.156.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileFormatName

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The name of the file format (e.g., PDF, JPEG, BMP, etc.). This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- The name of the file format (e.g., PDF, JPEG, BMP).

2.156.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute specifies the format name of the file (image) which can be found at the link being provided in the attribute uniformResourceIdentifier. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline (www.gs1us.org/documents?Command=Core_Download&EntryId=561)

2.157   Links to Websites, Images, Documents, Video, Audio Files (4 of 7) - contentDescription

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute contentDescription.

2.157.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- contentDescription

- Data Type- Description70 (Free Text 1-70 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- A free-form descriptive term used to provide insight as to the contents of the file at the listed URL. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- Free-form description of the content of the file.

2.157.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute is a description of the contents of the file found at the link being provided in the attribute uniformResourceIdentifier. This value can be specified in language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.158 Links to Websites, Images, Documents, Video, Audio Files (5 of 7) - fileName

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute fileName.

2.158.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- fileName
- Data Type- string (1-70 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Required

- Foodservice Common Definition- The file name for this item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition-   The name of the file that contains the external information.

2.158.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item.

This attribute specifies the name of the file (image) found at the link provided in the attribute uniformResourceIdentifier. This name, when used for an image of the product, should follow the GDSN Image standard guidance for naming (http://www.gs1.org/docs/gsmp/gdsn/Product_Image_Specification.pdf).

For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.159   Links to Websites, Images, Documents, Video, Audio Files (6 of 7) - fileEffectiveEndDateTime

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode
- uniformResourceIdentifier
- fileFormatName
- contentDescription
- fileName
- fileEffectiveEndDateTime
- fileEffectiveStartDateTime

This section is for the attribute fileEffectiveEndDateTime.

2.159.1 Basic Information

- GDSN Module- ReferencedFileInformation
- GDSN Content- Attribute
- GDD Attribute Name- fileEffectiveEndDateTime
- Data Type- DateTime (CCYY-MM-DDTHH:MM:SS)
- GDSN Required- Optional
- Foodservice Best Practice- Required

- Foodservice Common Definition- The date on which this file should no longer be used for this Trade Item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition-   The date upon which the target of this external link ceases to be effective for use.

2.159.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item. This attribute specifies the date/time when the file (image) which can be found at the link provided in the attribute uniformResourceIdentifier should no longer be used by the recipients of the GDSN Message. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the effective end of usage of the file link, enter zeroes for the time to signify the beginning of the day.

When the link contains several files, this date refers to the individual file, which is listed in the attribute fileName in the group of attributes in which this value is provided. When the link is to a website, the start date is optional, but may be used to signify when the site is available for use. When the link is to a website, the end date is optional, but may be used to signify when the site is no longer available for use. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.160 Links to Websites, Images, Documents, Video, Audio Files (7 of 7) - fileEffectiveStartDateTime

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of seven attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The seven attributes in this group are:

- referencedFileTypeCode

- uniformResourceIdentifier

- fileFormatName

- contentDescription

- fileName

- fileEffectiveEndDateTime

- fileEffectiveStartDateTime

This section is for the attribute fileEffectiveStartDateTime.

2.160.1 Basic Information

- GDSN Module- ReferencedFileInformation

- GDSN Content- Attribute

- GDD Attribute Name- fileEffectiveStartDateTime

- Data Type- DateTime (CCYY-MM-DDTHH:MM:SS)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The date from which this file can be used for this Trade Item. This group of attributes can be repeated for as many images or external files as are needed for the item.

- GDD Definition- The date upon which the target of this external link begins to be effective for use.

2.160.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many files as need to be linked to the item. This attribute specifies the date/time when the file (image) found at the link provided in the attribute uniformResourceIdentifier can begin to be used by the recipients of the GDSN Message. The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the effective start of usage of the file link, enter zeroes for the time to signify the beginning of the day.

When the link contains several files, this date refers to the individual file, which is listed in the attribute fileName in the group of attributes in which this value is provided. When the link is to a website, the start date is optional, but may be used to signify when the site is available for use. When the link is to a website, the end date is optional, but may be used to signify when the site is no longer available for use. For specific GS1 US Foodservice guidance on imaging, please review the current Product Images Application Guideline www.gs1us.org/documents?Command=Core_Download&EntryId=561

2.161 Manufacturer Expanded Product Description

2.161.1 Basic Information

- GDSN Module- TradeItemDescriptionModule

- GDSN Content- Attribute

- GDD Attribute Name- additionalTradeItemDescription

- Data Type- Description500 (Free Text 1-500 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional

- Foodservice Common Definition- 500 character product description with limited or no abbreviations or acronyms. Can be specified in multiple languages, but only one value per language.

- GDD Definition- Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field (e.g. Style, Colour, Fragrance, etc.). Allows for the representation of the same value in different languages, but not for multiple values.

2.161.2 Foodservice GS1 US Standards Initiative Guidance

This attributes should be populated with the Brand Owner's description of the product, which will assist in further detail of what the item is. This description should not contain any abbreviations or character reductions. This field allows up to 500 characters of information.

This value can be specified in language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

This attribute should be the richest description as is possible so that it may be used as a resource by recipients when building their internal descriptions. Ideally, descriptions should be item-specific, containing characteristics of the item that will differentiate the item from a similar product from the same category. Size, colour, count, and net content are important differentiators that could be included in rich descriptions. It is not necessary to repeat information that may already be included in the Brand and Functional Name fields, but it is understood that some repetition may be unavoidable.

It should be understood that Recipients may decide to use this field as input to develop their own descriptions for the item. As a result, they may not store, populate or use this description as provided. They would use it as guidance as they convert it to the terminology they use with their customers.

Many recipient systems have short description of 40 or fewer characters available to describe products. These smaller fields should be populated using the attribute shortDescription.

2.162 Manufacturer Product Number (1 of 2) - additionalTradeItemIdentificationTypeCode

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- additionalTradeItemIdentificationTypeCode
- additionalTradeItemIdentification

This section is for the attribute additionalTradeItemIdentificationTypeCode.

2.162.1 Basic Information

- GDSN Module- AdditionalKeyDataTypes
- GDSN Content- Attribute
- GDD Attribute Name- additionalTradeItemIdentificationTypeCode
- Data Type- Code
- GDSN Required- Mandatory (If the attribute additoinalTradeItemIdentification is invoked)
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- Manufacturer's Part Number (use code SUPPLIER_ASSIGNED). An additional method for identifying the item (besides the GTIN) that can be populated. This might be a vendor's item number or Manufacturer's catalog number. This number can be any other externally-assigned identification number for the item. For Foodservice Items where there is no assigned Manufacturer Product Number, the GTIN must be repeated here with a Trade Item type of "Supplier Assigned."
- GDD Definition- This code will be used to cross-reference the Vendors internal Trade Item number to the GTIN in a one-to-one relationship.

2.162.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

This code is a qualifier to define what type of identifier is being populated in the attribute additionalTradeItemIdentification for the Trade Item. If the attribute additionalTradeItemIdentification is populated, then this attribute must be populated as it is a code qualifier for that attribute.

This attribute is a qualifier to denote the type of additional identification that is relevant for the Trade Item. This identifier could be a Manufacturer Part or SKU number, an OEM Number, FDA NDC Number, etc.:

- If the identification is the Supplier's internal product identification number, select SUPPLIER_ASSIGNED.

- If it is the Distributor's internal product identification number select DISTRIBUTOR_ASSIGNED. This field can be repeated as necessary in conjunction with the Additional Trade Item Identification Value.

- The code value of MANUFACTURER_PART_NUMBER is only used when a part is manufactured by an organization other than the original manufactured. A value published with this type would reference the original equipment part number.

The most common types for use are:

- SUPPLIER_ASSIGNED: The additional Trade Item Identification value populated has been developed and assigned by the party which provides service(s) and/or manufactures or otherwise has possession of the goods and consigns or makes them available in trade. This number is a base model or style number assigned to the product and may be the same for several GTINs where they are variations of each other. For example: a coffee mug with 3 different GTINs to represent the brown mug, the white mug, and the black mug might all be the same supplier-assigned number of AB123. Use of this value is recommended in the absence of a Model Number or Manufacturer's Part Number.

- MODEL_NUMBER: An identification number which defines the configuration of the product in addition to the Item number. This is typically printed or otherwise attached to an item. In electronics, this number is typically found around or near a serial number.

- MANUFACTURER_PART_NUMBER: An identifier of a part used for an item. While the name implies that the number is assigned by the Manufacturer, the part may be built by one Manufacturer to apply to another Manufacturer's item. In this case, this number is the applicable part number from the item's Manufacturer. The part Manufacturer numbers would be found with the type of MODEL_NUMBER, SUPPLIER_ASSIGNED, or DISTRIBUTOR_ASSIGNED. For example: a 1957 car manufactured by Chevrolet has a part number AB123 which is the driver's door handle. A secondary manufacturer produces an equivalent or Original Equipment Manufacturer (OEM) part with their number of 57-123CHEV. This value would be the AB123 to signify that it is that equivalent.

- PLU: A number used to indicate a price look-up for an existing random weight item. This is only used for items that have been assigned an industry PLU or proprietary PLU, and that are utilized through a weighing system through the scales at the back or front registers.

■ DISTRIBUTOR_ASSIGNED: The additional Trade Item Identification value populated has been developed and assigned by an entity which purchases and takes title to goods which are then resold / redistributed elsewhere.

2.162.3 Code List Values

See the Manufacturer Product Number Code List for the codes that may be used for this attribute. (NOTE: This code list is a subset of additionalTradeItemIdentificationTypeCodes that are relevant for this attribute. See the AdditionalTradeItemIdentificationTypeCode List for full list of codes.)

2.163 Manufacturer Product Number (2 of 2) - additionalTradeItemIdentification

This section provides guidance for a Global Data Dictionary (GDD) attribute, which is a part of a group of two attributes. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

■ additionalTradeItemIdentificationTypeCode

■ additionalTradeItemIdentification

This section is for the attribute additionalTradeItemIdentification.

2.163.1 Basic Information

■ GDSN Module- GS1IdentificationComponents

■ GDSN Content- Attribute

■ GDD Attribute Name- additionalTradeItemIdentification

■ Data Type- string

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional

■ Foodservice Common Definition- The actual additional Trade Item identification value for the type code signified.

■ GDD Definition- Alternative means to the Global Trade Item Number to identify a Trade Item.

2.163.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly.

This association does not negate the ability of this Module to be provided on its own as individual attributes.This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

If the attribute additionalTradeItemIdentificationTypeCode is populated, then this attribute must be populated as it is the actual identification number for the code qualifier populated.

2.164 Manufacturer Short Product Description

2.164.1 Basic Information

- GDSN Module- TradeItemDescriptionModule

- GDSN Content- Attribute

- GDD Attribute Name- descriptionShort

- Data Type- Description35 (Free Text 1-35 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- 35 character short product description. Abbreviations may be used. Can be specified in multiple languages, but only one value per language.

- GDD Definition- A free-form short length description of the Trade Item that can be used to identify the Trade Item at point-of-sale. Allows for the representation of the same value in different languages but not for multiple values.

2.164.2 Foodservice GS1 US Standards Initiative Guidance

Abbreviated product description, which would appear on Invoices, BOL, POS, etc. This short description is typically used for small format print situations (e.g., Reports, POS Receipts, Shelf Edge Tags, etc.).

This value can be specified in any language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

2.165 Marketing Message

2.165.1 Basic Information

- GDSN Module- MarketingInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- tradeItemMarketingMessage

- Data Type- FormattedDescription4000 (Free Text 1-4000 Characters) (Language Qualifier)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- Marketing message associated with the Trade Item. Recipient-specific requirements are looking for the following values in this message: *For Low Cholesterol; For Low Cholesterol; For Low Fat; For Low Sodium; For MSG Free; For No Sugar Added; For Reduced Fat; For Sodium Free; and/or For Sulphite Free*. If these statements are relevant to the Trade Item, they should be included in the marketing message.

- GDD Definition- Marketing message associated with the Trade Item.

2.165.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should be provided if the data source is the Brand Owner. If the data source is not the Brand Owner, this attribute is optional unless the Brand Owner has provided the attribute information to the data source for publication.

Benefits may include marketing claims about the product (e.g., *Good Source of Calcium*; *Contains No Added Sugar*; *High in Dietary Fiber*; etc.).

This value can be specified in any language by using the language qualifier. There should only be one value per language. See the ISO Language Code List for the language codes that may be used for this attribute.

This attribute is a single occurrence field. This means that if there are multiple claims, they must be listed as a string separated by a comma (e.g., "Low Sodium, High Fiber").

A GDSN change request has been approved and will be deployed in a future GDSN release which will provide the ability to specify a marketing message for a specific trade channel (e.g., Retail, Foodservice, Healthcare, etc.) using the attribute tradeItemTradeChannel as a qualifier. This guidance will be update when that solution is deployed.

2.166 Net Content with UoM

2.166.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule

- GDSN Content- Attribute

- GDD Attribute Name- netContent

- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- This is the size or total pieces contained in a Trade Item as claimed on the label (e.g., 10 lbs. of potatoes in a bag or 2 each for cookies). The value provided is the total net content for the GTIN and its package level (i.e., if specified at the case level, it is the total net content in the case, not the net content of 1 each).

- GDD Definition- The amount of the Trade Item contained by a package, usually as claimed on the label (e.g., for water 750ml, net content = "750 MLT;" for 20 count pack of diapers, net content = "20 ea."). In the case of a multi-pack, indicate the net content of the total Trade Item. For fixed value Trade Items, use the value claimed on the package to avoid variable fill rate issues that arise with some Trade Item which are sold by volume or weight and whose actual content may vary slightly from batch to batch. In case of variable quantity Trade Items, indicate the average quantity. Allows for the representation of the same value in different units of measure, but not multiple values.

2.166.2 Foodservice GS1 US Standards Initiative Guidance

This attribute should be populated with the amount of the Trade Item contained by a package, usually as claimed on the label. This is a numeric value with an applicable Unit of Measure (UoM). This attribute can be repeated to accommodate several values as necessary. This attribute must be populated when the attribute isTradeItemAConsumerUnit is populated with a value of TRUE.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Sample population examples-

- 705ml bottle of Water- netContent would be "750 MLT"

- 20 count pack of Diapers- netContent would be "20 EA"

- A pack containing an 8 oz. tube of Toothpaste and a Toothbrush- netContent would be "1 ST" (This signifies that the Trade Item is 1 set, as the items are independent and not just multiple packages of the same thing.)

- 1 Gallon (3.7 Liter) jug of Milk- netContent would be "1 GA" and "3.7 LT" (Both values are populated so the Recipient can utilize both or choose between the values provided for their use.)

- 15-20 oz. package of chicken- netContent would be "17 OZA" (For variable items, the average content is provided. Description attributes should contain the variable range information, and the attribute isTradeItemAVariableUnit should be populated with a value of TRUE.)

Net content and net weight are not the same in all instances. For example, a box of tea bags that contains 18 tea bags and has a net weight of .82 ounces will have a net content of 18 count. However, a bag of candy that has a net weight of 12 ounces will have a net content of 12 ounces.

2.167   Net Weight with UoM

2.167.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- netWeight
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- Used to identify the net weight of the Trade Item. Net weight excludes any packaging materials and applies to all levels but the consumer unit level.
- GDD Definition- Used to identify the net weight of the Trade Item. Net weight excludes any packaging materials and applies to all levels but the consumer unit level. For consumer unit, Net Content (which can be weight, size, and volume) replaces Net Weight. Net Weight has to be associated with a valid UoM.

2.167.2 Foodservice GS1 US Standards Initiative Guidance

Net weight of the product less all packaging. In the case of a variable weight product, this attribute should be populated with the average weight. It is recommended that this be populated at all levels of the published hierarchy.

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

For variable items, the average netWeight should be provided. Description attributes should contain the variable range information, and the attribute isTradeItemAVariableUnit should be populated with a value of TRUE.

Net Weight excludes packaging at all levels. This means the packaging of the lowest level GTIN is excluded from the net weight of all levels of GTINs. The difference between the Gross Weight and Net Weight at any level in the Trade Item Hierarchy is therefore the total weight of packaging at all levels up to and including that level.

2.168   Number of Next Lower Level GTINs

2.168.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfChildren

- Data Type- nonNegativeInteger

- GDSN Required- GDSN Dependent

- Foodservice Best Practice- Dependent

- Foodservice Common Definition- This is the actual number of the unique child items contained in this item. (Examples: If the item is a variety pack with 3 different children with specific quantities for each, this field would be 3. If the item is a case of one flavour of sauce bottles, this field would be 1.)

- GDD Definition- Value indicates the number of unique next lower level Trade Items contained in a complex Trade Item. A complex Trade Item can contain at least 2 different GTINs.

2.168.2 Foodservice GS1 US Standards Initiative Guidance

This value is the total number of Child GTINs immediately below this GTIN. Examples:

- If a case contains 4 bottles of one flavor of a sauce (the flavor has a single unique GTIN), this value is 1.

- If a case contains 6 bags each of 2 types of brown sugar (each type has a unique GTIN) (12 total bags), this value is 2.

This attribute is only populated when the attribute isTradeItemABaseUnit is populated with a value of FALSE.

2.169   Nutrient Database Number (1 of 2) – foodBeverageCompositionDatabaseCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance.

The two attributes in this group are:

- foodBeverageCompositionDatabaseCode

- foodBeverageCompositionCode

This section is for the attribute foodBeverageCompositionDatabaseCode.

2.169.1 Basic Information

- GDSN Module- NutritionalInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- foodBeverageCompositionDatabaseCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is the reference number inside an organization's nutrient database which is applicable for the item. If this attribute is populated, the attributes for nutrient label contents and measures are no longer required.   This group of attributes can be repeated for as many nutrient database references as are applicable to the Trade Item.

- GDD Definition- A code depicting an agency which manages a food composition database that applies to regulatory nutrition information (e.g., the Government of Canada).

2.169.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a qualifier code to denote the Food Composition or Nutrient database from which the item's nutrients can be retrieved.

This attribute is part of a group of attributes. This attribute must be populated when an instance of the foodBeverageCompositionCode is provided. The group can be repeated for as many values as are relevant for the Trade Item. This is only populated when a GTIN is not required to carry nutrition information on the packaging (e.g., salt, sugar, etc.)

In the US Target Market, these items have specific values listed in the USDA's National Nutrient Database (http://ndb.nal.usda.gov/). The Manufacturer can provide the code from the database to denote from which database entry the recipients can retrieve any needed nutrient information.

2.169.3 Code List Values

See the FoodBeverageCompositionDatabaseCode List for the codes that may be used for this attribute.

2.170   Nutrient Database Number (2 of 2) - foodBeverageCompositionCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- foodBeverageCompositionDatabaseCode
- foodBeverageCompositionCode

This section is for the attribute foodBeverageCompositionCode.

2.170.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- foodBeverageCompositionCode
- Data Type- string (Text 1-70 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is a qualifier to signify the organization which owns a nutrient database which contains nutrient information applicable for the item. If this attribute is populated, the attributes for nutrient label contents and measures are no longer required. This group of attributes can be repeated for as many nutrient database references as are applicable to the Trade Item.
- GDD Definition- A value assigned by the agency for the lookup of food composition information that applies to regulatory nutrition information e.g. R851011.

2.170.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the code value as listed in the Nutrient or Composition database as identified by the qualifier in the attribute foodBeverageCompositionDatabaseCode. Using this value will provide the exact record number in the Food Composition or Nutrient database from which the item's nutrients can be retrieved.

This attribute is part of a group of attributes. This attribute must be populated when an instance of the foodBeverageCompositionDatabaseCode is provided. The group can be repeated for as many values are

relevant for the Trade Item. This is only populated when a GTIN is not required to carry nutrition information on the packaging, e.g. salt, sugar, etc.

In the US Target Market, these items have specific values listed in the USDA's National Nutrient Database (http://ndb.nal.usda.gov/). The Manufacturer can provide the code from the database to denote from which database entry the recipients can then retrieve any needed nutrient information.

2.171 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (1 of 9) - nutrientBasisQuantityTypeCode

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute nutrientBasisQuantityTypeCode.

2.171.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutrientBasisQuantityTypeCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- Qualifier to denote the type of nutrient information being provided (e.g., BY_MEASURE). Nutrient attributes can be populated against any basis quantity, and are repeated against each value. This group of attributes can be repeated for each set of nutrients that need to be provided for the Trade Item. Nutrient attributes can be populated against either the serving size or 100 gram values for this attribute.
- GDD Definition- The type of quantity contained (e.g., measurement, serving size, or container).

2.171.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients

and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code qualifier for a basis quantity against which the listed nutrient values have been determined. This attribute is used to provide a descriptor to denote how to understand the nutrientBasisQuantity value.

2.171.3 Code List

See the NutrientBasisQuantityTypeCode List for the codes that may be used for this attribute.

2.172 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (2 of 9) – nutrientBasisQuantity

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute nutrientBasisQuantity.

2.172.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutrientBasisQuantity
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- Measurement value to denote the type of nutrient information being provided. Nutrient attributes can be populated against any basis quantity, and are repeated against each value. This group of attributes can be repeated for each set of nutrients that need to be provided for the Trade Item.
- GDD Definition- The basis amount that a nutrient is measured against when it is not serving size. For example: 120 gr in the case of 30 kj per 120 gr.

2.172.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different

bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute denotes a basis quantity against which the listed nutrient values have been determined.

This attribute will be populated when the nutrientBasisQuantityTypeCode is populated with a value of BY_MEASURE. This will allow for 100 gram (or other non-serving size measurement reference) nutrient information to be provided.

This attribute will be populated when the nutrientBasisQuantityTypeCode is populated with a value of BY_SERVING. When that value is present, the nutrient information is based on the actual serving size, which will populated here to be used as the basis for the nutrient information.

2.173 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (3 of 9) - nutrientValueDerivation

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode
- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute nutrientValueDerivation.

2.173.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutrientValueDerivation
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- A descriptive term used to describe how the nutrient values were derived for the item.
- GDD Definition- The derivation of the values, percent of intake and quantity contained, provided in the nutrient class.

2.173.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code to denote how the nutrient information provided was derived. Derivation can be:

■ Calculated based on inputs or other nutrient information compiled from the ingredients and the recipe.

■ Analysis of the actual item via chemical break out in a laboratory.

■ Combination of calculations and analyses

This information will assist dieticians and menu planners to understand discrepancies in measurements that they derive. If an item was calculated, rounding can cause larger discrepancies in downstream menu values than if the values were analyzed.

2.173.3 Code List

See the NutrientValueDerivation Code List for the codes that may be used for this attribute.

2.174 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (4 of 9) - preparationStateCode

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

■ nutrientBasisQuantityTypeCode   ■ measurementPrecisionCode

■ nutrientBasisQuantity   ■ quantityContained

■ nutrientValueDerivation   ■ dailyValueIntakePercentMeasurementPrecisionCode

■ preparationStateCode   ■ dailyValueIntakePercent

■ nutrientTypeCode

This section is for the attribute preparationStateCode.

2.174.1 Basic Information

■ GDSN Module- NutritionalInformationModule

■ GDSN Content- Attribute

■ GDD Attribute Name- preparationStateCode

■ Data Type- Code

■ GDSN Required- Mandatory (If Module invoked)

■ Foodservice Best Practice- Required for Food items Only

■ Foodservice Common Definition- Signifies a preparation level or type for which nutrient information is relevant.

■ GDD Definition- Code specifying the preparation state or type to which the nutrient information applies (e.g., unprepared, boiled, fried, etc).

2.174.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy.

This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code which qualifies the nutrient values. It denotes the form or state of the Trade Item for which the nutrients are applicable. The code values available can be any state for the item. Typical NLEA or Nutrient Fact Panel data is against a state of Unprepared or Prepared. However, a Manufacturer may optionally provide other nutrient information against other states based on how the item may be prepared (against specific preparationInstructions), such as Bake, Broil, Fry, Steam, etc.

The codes of UNPREPARED and PREPARED should be used as follows:

■ **UNPREPARED** nutrient information applies to items in the state in which they are sold.

■ Examples:

■ Includes: Cake Mix, Drink Mix, Box Cereal, Soda, Candy Bar (Ready-To-Eat items)

■ Excludes: Cake made from the Cake Mix, Drink made from the Mix, Cereal in a bowl with Milk

■ All items required to carry nutrient values should have a set of values for UNPREPARED

■ **PREPARED** nutrient information applies to items in a prepared state using the preparation instructions.

■ Examples:

■ Includes: Cake made from the Cake Mix, Drink made from the Mix, Cereal in a bowl with Milk

■ Excludes: Cake Mix, Drink Mix, Box Cereal, Soda, Candy Bar

■ Some items, where provided by the Manufacturer, might have a set of values for PREPARED.

2.174.3 Code List

See the PreparationTypeCode List for the codes that may be used for this attribute.

2.175   Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (5 of 9) – nutrientTypeCode

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

■ nutrientBasisQuantityTypeCode   ■ measurementPrecisionCode

- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute nutrientTypeCode.

2.175.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutrientTypeCode
- Data Type-Code
- GDSN Required- Mandatory (If Module invoked)
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- Code identifying the food component being described. (From the INFOODS List.)
- GDD Definition- Code from the list of the INFOODS food component tag names.

2.175.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy.

This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code signifying the actual nutrient for which is relevant for the item and for which there is a measurement to be provide. The quantity contained and/or daily value intake specified are grouped on this code and can change for each different nutrientTypeCode.

This attribute utilizes the FAO INFOODS Tagname list. The full list of Tagnames can be found at www.fao.org/infoods. Use of generic INFOODS codes is recommended. For guidance on a generic list of codes, please refer to the current INFOODS Guideline Nutrient Codes document available at http://www.gs1us.org/industries/foodservice/tools-and-resources.

2.175.3 Code List Values

See the NutrientTypeCode List for the codes that may be used for this attribute.

2.176 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (6 of 9) – measurementPrecisionCode

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute measurementPrecisionCode.

2.176.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- measurementPrecisionCode
- Data Type-Code
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- Denotes the level of accuracy of the specific nutrient information being provided.
- GDD Definition- Code indicating whether the specified nutrient content is exact or approximate.

2.176.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy.

This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code used to quantify the measurement given for the nutrient. Current values are APPROXIMATELY, EXACT, and LESS_THAN. These values will help users determine the level of precision in the nutrient's measurement. See the MeasurementPrecisionCode List for the codes that may be used for this attribute.

On the NLEA Panel, some nutrients may be listed as "not a significant source" of that nutrient. For these nutrients, it is recommended to populate the measurementPrecisionCode with LESS_THAN. The DVI and/or quantityContained would be populated with the value as stated in the USDA or FDA regulation.

This is a temporary solution until a work request can be added to GDSN to have a code value for "NOT_A_SIGNIFICANT_SOURCE_OF".

For 100-gram data, precision of measurement for a nutrient can be expressed out to 3 decimals. It is recommended to specify the appropriate measurementPrecisionCode.

It is only necessary to provide this attribute when the value is LESS_THAN. Other values are not required for packaging and therefore should not be required for GDSN.

2.176.3 Code List Values

See the MeasurementPrecisionCode List for the codes that may be used for this attribute.

2.177 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (7 of 9) – quantityContained

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode
- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute quantityContained.

2.177.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityContained
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- Measurement value indicating the amount of the specific nutrient being described relative to the serving size.
- GDD Definition- Measurement value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size. Allows for the representation of the same value in different units of measure but not multiple values.

2.177.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is the measurement of the amount of the specific nutrient which can be found in the item. This attribute is specified as a number and an applicable Unit of Measure code from the Unit of Measure Code List.

2.178 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (8 of 9) - dailyValueIntakePercentMeasurementPrecisionCode

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute dailyValueIntakePercentMeasurementPrecisionCode.

2.178.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- dailyValueIntakePercentMeasurementPrecisionCode
- Data Type-Code
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Common Definition- Denotes the level of accuracy of the specific nutrient's daily value intake percentage.
- GDD Definition- Code indicating whether the specified nutrient content for the Daily Value Intake percentage is exact or approximate or less than.

2.178.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The following repeatable groupings are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more

complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is a code quantify the daily value intake percentage given for the specified nutrient. Current values are APPROXIMATELY, EXACT, and LESS_THAN. These values will help users determine the level of precision in the nutrient's measurement.

On the NLEA Panel, some nutrients may be listed as "not a significant source" of that nutrient. For these nutrients, it is recommended to populate this attribute with LESS_THAN. The DVI would be populated with the value as stated in the USDA or FDA regulation. This is a temporary solution until a work request can be added to GDSN to have a code value for "NOT_A_SIGNIFICANT_SOURCE_OF".

It is only necessary to provide this attribute when the value is LESS_THAN. Other values are not required for packaging and therefore should not be required for GDSN.

2.178.3 Code List Values

See the [MeasurementPrecisionCode List](#) for the codes that may be used for this attribute.

2.179 Nutrient Label Contents & Measures (calories, proteins, fats, etc.) (9 of 9) – dailyValueIntakePercent

This section provides guidance for a GDD attribute which is a part of a group of nine (9) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. (This group can be repeated at several different levels. See Initiative Guidance below for more details.) The nine attributes in this group are:

- nutrientBasisQuantityTypeCode
- nutrientBasisQuantity
- nutrientValueDerivation
- preparationStateCode
- nutrientTypeCode

- measurementPrecisionCode
- quantityContained
- dailyValueIntakePercentMeasurementPrecisionCode
- dailyValueIntakePercent

This section is for the attribute dailyValueIntakePercent.

2.179.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- dailyValueIntakePercent
- Data Type- Decimal (Round up to 3 Decimals)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market. Is expressed relative to the serving size and base daily value intake. This attributes is expressed as a number with an implied unit of measure of percent.
- GDD Definition- The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market. Is expressed relative to the serving size and base daily value intake.

2.179.2 Foodservice GS1 US Standards Initiative Guidance

All nutrient information should be populated at the lowest GTIN in a hierarchy. This entire group of attributes can be repeated in whole and in sections inside the whole. The following are the repeatable groupings which are possible:

1. For each change in nutrientBasisQuantity or nutrientBasisQuantityTypeCode, the group will be repeated in whole. This allows for the population of nutrient information based on several different bases, such as Serving size, 100 gram, etc. Each time the quantity or type changes, the nutrient information would be repeated as relevant for that quantity or type.

2. For each change in preparation state, the actual nutrient type, measures, and/or DVI will be repeated. The preparation state denotes the actual state of the item against which the nutrients and values are relevant. Preparation states can be as simple as unprepared or prepared, or more complex such as bake, broil, steam, etc. Any nutrient information provided is relevant only for the specified state.

This attribute is the percent of Daily Value Intake (DVI) for the specified nutrient. Calculation of this value are based on several criteria such as the recommended diet size, typically specified in number of Calories per day, and other requirements set forth by the applicable regulatory body in the target market. The value populated in this attribute is a number (which can be in decimal format if needed). There is no provided unit of measure because the attribute itself names the unit of measure as percentage.

2.180 Nutrient Relevant Data Provided

2.180.1 Basic Information

- GDSN Module- NutritionalInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- isNutrientRelevantDataProvided

- Data Type- Non-Binary Logic Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional

- Foodservice Common Definition- A flag indicating that all of the relevant or required nutrient information has been provided. Population of a positive value indicates all nutrient values are present and for the recipient to not expect other values.

- GDD Definition- Nutrient Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations.

2.180.2 Foodservice GS1 US Standards Initiative Guidance

This is an indicator which signifies that the nutrient information populated in the GDSN message is complete. The completion of the nutrient information is based on what is required to appear on the label and what is relevant to be provided. For example: Baby food is not required to provide a value for Trans Fat; however, other foods do.

If this attribute has a value of TRUE, recipients should accept the values in the GDSN message as a complete set of nutrient attributes for the item. No other value but TRUE need be passed.

There is an AVP solution in place until such time as the GDSN deploys a final solution in a future release. The final solution will mirror the AVP solution for easy migration.

2.180.3 Code List Values

See the Non-Binary Logic Enumeration Code List for the codes that may be used for this attribute.

2.181 Nutrition Fact Serving Size & UOM - servingSize

2.181.1 Basic Information

- GDSN Module- NutritionalInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- servingSize
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- Measurement value specifying the Nutrition Fact Panel's serving size.
- GDD Definition- Measurement value specifying the serving size in which the information per nutrient has been stated (e.g., per 100 grams).

2.181.2 Foodservice GS1 US Standards Initiative Guidance

This is the serving size as listed in the NLEA panel on the package. The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Many NLEA Panels have a text string for the serving size, for example, 16.9 fluid ounces (500ml). This attribute is a measurement attribute consisting of a numeric values and a unit of measure. The information provided should be the value in front of the parenthesis. Using the example given, the numeric value would be 16.9 and the unit of measure would be fluid ounces (FO). The full text string is populated in the attribute servingSizeDescription.

2.182 Nutrition Program

2.182.1 Basic Information

- GDSN Module- HealthRelatedInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- nutritionalProgramCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional
- Foodservice Common Definition- A code signifying certain nutrition programs for which the Trade Item is applicable (e.g., 5_A_DAY).
- GDD Definition- Programs designed to encourage people to eat a certain way

2.182.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value which denotes the type of food nutrition programs that the item is qualified for (e.g., the USDA 5-A-Day program).

2.182.3 Code List Values

See the NutritionalProgramCode List for the codes that may be used for this attribute.

2.183 Order Sizing

2.183.1 Basic Information

- GDSN Module- DeliveryPurchasingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- orderSizingFactor
- Data Type- Measurement (Number & UoM)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is a value which is used to assist in the management of transportation of items. A sizing factor is assigned to a single shipping unit. Multiplying the shipping unit sizing factor by the quantity ordered will provide an indication as to whether a truck has been fully utilized (values summed would be compared to the Full Truck size value).
- GDD Definition- A Trade Item specification other than gross, net weight, or cubic feet for a line Trade Item or a transaction, used for order sizing and pricing purposes. For example, factors may be used to cube a truck, reflecting different weights, and dimensions of Trade Item. Allows for the representation of the same value in different units of measure.

2.183.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a measurement value which, when summed with other factors for an order placed with an Information Provider, can be used to determine if a full truck load has been reached. Knowledge of the summed number will aid the recipient in trying to maximize trucks and minimize the number of shipments over time.

There is only one UoM code value to utilize with this attribute: FJ which is the GDSN value for Sizing Factor.

NOTE: Although there is only one applicable value for this attribute as noted above, the full list of UoM codes are provided in the Unit of Measure Code List.

2.184 Organic (Ingredient Level) (1 of 2) - organicClaimAgencyCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The two attributes in this group are:

- organicClaimAgencyCode
- organicTradeItemCode.

This section is for the attribute organicClaimAgencyCode.

2.184.1 Basic Information

- GDSN Module- OrganicInformation
- GDSN Content- Attribute

- GDD Attribute Name- organicClaimAgencyCode (Ingredient Level)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is the regulatory agency against which the item's organic claim has been measured. This agency or body controls the measurement definitions against which the item has been compared. This group of attributes can be repeated for as many agencies as are applicable to the ingredient.
- GDD Definition- A governing body that creates and maintains standards related to organic products.

2.184.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

This attribute is a code value to denote the agency which owns or manages the standard against which the ingredient is measured to determine the level to which the ingredient is Organic or not. This may or may not be the agency which actually used the standard to analyse the ingredient to see if it meets an organic standard. This may or may not be the agency which actually issues a certification that the ingredient meets an organic standard. This is the agency which manages the standard and its definitions.

To provide the name and other related attributes of an organization which actually measured the ingredient to determine the level of organic or to provide a certification for the ingredient, please utilize the certification attributes.

This group of attributes would be populated under the ingredient attributes of ingredientName and ingredientSequence to denote the organic level of the ingredient. If the group is not under the ingredient attributes, then it is related to the Trade Item overall.

2.184.3 Code List Values

See the OrganicClaimAgencyCode List for the codes that may be used for this attribute.

2.185 Organic (Ingredient Level) (2 of 2) - organicTradeItemCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The two attributes in this group are:

- organicClaimAgencyCode
- organicTradeItemCode.

This section is for the attribute organicTradeItemCode.

2.185.1 Basic Information

- GDSN Module- OrganicInformation
- GDSN Content- Attribute
- GDD Attribute Name- organicTradeItemCode (Ingredient Level)
- Data Type- Code
- GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- This is a code value which defines the degree to which the Trade Item is organic. The measurement definition used to determine this code is defined by the regulatory agency or certification body listed in the organicClaimAgency attribute. This group of attributes can be repeated for as many agencies as are applicable to the ingredient.

■ GDD Definition- Used to indicate the organic status of a Trade Item or of one or more of its components.

2.185.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

This attribute is a code value to denote the level of organic to which the ingredient has been measured according to the standards set forth by the regulatory body noted in the attribute organicClaimAgencyCode.

To provide the name, and other related attributes, of an organization which actually measured the ingredient to determine the level of organic or to provide a certification for the ingredient, please utilize the certification attributes.

This group of attributes would be populated under the ingredient attributes of ingredientName and ingredientSequence to denote the organic level of the ingredient. If the group is not under the ingredient attributes, then it is related to the Trade Item overall.

2.185.3 Code List Values

See the OrganicTradeItemCode List for the codes that may be used for this attribute.

2.186 Organic (Item Level) (1 of 2) - organicClaimAgencyCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The two attributes in this group are:

■ organicClaimAgencyCode

■ organicTradeItemCode

This section is for the attribute organicClaimAgencyCode.

2.186.1 Basic Information

■ GDSN Module- OrganicInformation

■ GDSN Content- Attribute

■ GDD Attribute Name- organicClaimAgencyCode (Item Level)

■ Data Type- Code

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- This is the regulatory agency against which the item's organic claim has been measured. This agency or body controls the measurement definitions against

which the item has been compared. This group of attributes can be repeated for as many agencies as are applicable to the item.

- GDD Definition- A governing body that creates and maintains standards related to organic products.

2.186.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

This attribute is a code value to denote the agency which owns or manages the standard against which the item is measured to determine the level to which the item is Organic or not. This may or may not be the agency which actually used the standard to analyze the item to see if it meets an organic standard. This may or may not be the agency which actually issues a certification that the item meets an organic standard. This is the agency which manages the standard and its definitions.

To provide the name, and other related attributes, of an organization which actually measured the item to determine the level of organic or to provide a certification for the item, please utilize the certification attributes.

This group of attributes would not be populated under the ingredient attributes of ingredientName and ingredientSequence to denote the organic level of the ingredient. This group relates to the Trade Item overall. If the group is populated under the ingredient attributes, then they relate to the ingredient itself and not to the Trade Item overall.

2.186.3 Code List Values

See the OrganicClaimAgencyCode List for the codes that may be used for this attribute.

2.187 Organic (Item Level) (2 of 2) - organicTradeItemCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

The two attributes in this group are:

- organicClaimAgencyCode
- organicTradeItemCode.

This section is for the attribute organicTradeItemCode.

2.187.1 Basic Information

- GDSN Module- OrganicInformation
- GDSN Content- Attribute
- GDD Attribute Name- organicTradeItemCode (Item Level)
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is a code value which defines the degree to which the Trade Item is organic. The measurement definition used to determine this code is defined by the regulatory agency or certification body listed in the organicClaimAgency attribute. This group of attributes can be repeated for as many agencies as are applicable to the item.

■ GDD Definition- Used to indicate the organic status of a Trade Item or of one or more of its components.

2.187.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN).

This attribute is a code value to denote the level of organic to which the item has been measured according to the standards set forth by the regulatory body noted in the attribute organicClaimAgencyCode.

To provide the name, and other related attributes of an organization which actually measured the item to determine the level of organic or to provide a certification for the item, please utilize the certification attributes.

This group of attributes would not be populated under the ingredient attributes of ingredientName and ingredientSequence to denote the organic level of the ingredient. This group relates to the Trade Item overall. If the group is populated under the ingredient attributes, then they relate to the ingredient itself and not to the Trade Item overall.

2.187.3 Code List Values

See the OrganicTradeItemCode List for the codes that may be used for this attribute.

2.188 Out-Of-Box Dimensions (1 of 4) - dimensionTypeCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

■ dimensionTypeCode

■ depth (Out of Box)

■ height (Out of Box)

■ width (Out of Box)

This section is for the attribute dimensionTypeCode.

2.188.1 Basic Information

■ GDSN Module- AdditionalTradeItemDimensions

■ GDSN Content- Attribute

■ GDD Attribute Name- dimensionTypeCode

■ Data Type- Code

■ GDSN Required- Mandatory (If module invoked)

■ Foodservice Best Practice- Voluntary/Optional (For non-food items only)

■ Foodservice Common Definition- A qualifier to denote the type of dimensions being provided over and above basic packaging dimension (e.g., OUT_OF_PACKAGE).

■ GDD Definition- Depicts certain measurement scenarios used for measurement (e.g. Retail Display, Out of package).

2.188.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being

specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

This attribute is a qualifier code which is used to denote the type of dimensions which are being described by the next set of dimensions.

2.188.3 Code List Values

See the DimensionTypeCode List for the codes that may be used for this attribute.

2.189 Out-Of-Box Dimensions (2 of 4) - depth (Out of Box)

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- dimensionTypeCode

- depth (Out of Box)

- height (Out of Box)

- width (Out of Box)

This section is for the attribute depth (Out of Box).

2.189.1 Basic Information

- GDSN Module- AdditionalTradeItemDimensions

- GDSN Content- Attribute

- GDD Attribute Name- depth

- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

- GDSN Required- Mandatory (If module invoked)

- Foodservice Best Practice- Voluntary/Optional (For non-food items only)

- Foodservice Common Definition- The measurement associated with depth for the item under the dimension type code qualifier. Follow the measurement rules identified in the GDSN Package Measurement Rules.

- GDD Definition- The depth of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.189.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

The dimension values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in the Trading Partners systems, and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. http://www.gs1us.org/standards/dataquality

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Dimensions should be provided using the measurement system applicable for the Target Market. In the U.S., the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values. The value provided is at the Manufacturer's discretion and is applicable to the specific qualifier provided in the dimensionTypeCode attribute under which it is provided. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

2.190 Out-Of-Box Dimensions (3 of 4) - height (Out of Box)

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- dimensionTypeCode
- depth (Out of Box)
- height (Out of Box)
- width (Out of Box)

This section is for the attribute height (Out of Box).

2.190.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule
- GDSN Content- Attribute
- GDD Attribute Name- height
- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)
- GDSN Required- Mandatory (If module invoked)
- Foodservice Best Practice- Voluntary/Optional (For non-food items only)
- Foodservice Common Definition- The measurement associated with height for the item under the dimension type code qualifier. Follow the measurement rules identified in the GDSN Package Measurement Rules.
- GDD Definition- The height of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.190.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes

in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

The dimensions values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in the Trading Partners systems, and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. http://www.gs1us.org/dataquality

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Dimensions should be provided using the measurement system applicable for the Target Market. In the U.S., the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provide is at the Manufacturer's discretion and is applicable to the specific qualifier provided in the dimensionTypeCode attribute under which it is provided. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

2.191 Out-Of-Box Dimensions (4 of 4) - width (Out of Box)

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

■ dimensionTypeCode

■ depth (Out of Box)

■ height (Out of Box)

■ width (Out of Box)

This section is for the attribute width (Out of Box).

2.191.1 Basic Information

■ GDSN Module- TradeItemMeasurementsModule

■ GDSN Content- Attribute

■ GDD Attribute Name- width

■ Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

■ GDSN Required- Mandatory (If module invoked)

■ Foodservice Best Practice- Voluntary/Optional (For non-food items only)

■ Foodservice Common Definition- The measurement associated with width for the item under the dimension type code qualifier. Follow the measurement rules identified in the GDSN Package Measurement Rules.

■ GDD Definition- The width of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.191.2 Foodservice GS1 US Standards Initiative Guidance

This Module or group of attributes will be used in several areas of the Trade Item message or Catalogue Item Notification (CIN). Some instances will be qualified to denote the type of information being

specified. In those instances, the qualifier will appear in this guide as an attribute, but the GDSN Content will be listed as an Association. By virtue of being an association, the qualifier will "call" this Module. For example, the qualifier for DietCertification will call the CertificationInformationModule and the attributes in that module can be populated accordingly. This association does not negate the ability of this Module to be provided on its own as individual attributes.

This group of attributes can be repeated for as many additional identifiers as are relevant for the Trade Item.

The dimensions values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in the Trading Partners systems, and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. http://www.gs1us.org/dataquality

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Dimensions should be provided using the measurement system applicable for the Target Market. In the U.S., the system of use is Imperial as opposed to Metric. This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provide is at the Manufacturer's discretion and is applicable to the specific qualifier provided in the dimensionTypeCode attribute under which it is provided. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

2.192 Pack Size Text

2.192.1 Basic Information

- GDSN Module- PackagingInformationModule

- GDSN Content –Attribute

- GDD Attribute Name- shippingContainerContentsDescription

- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- The contents of the shipping unit as described/printed on the outside of the shipping container. Provided for GTINs which are packaged to ship.

- GDD Definition- The quantity of the contents of the shipping container as described on the outside of the shipping container (e.g., 100- 0.5 oz envelopes). Allows for the representation of the same value in different languages and multiple values.

2.192.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the phrase printed on the outside of the shipping container to describe the amount of contents in the container. Typically, this is populated at the case level. However, this should be populated at all hierarchy levels designated as a shipping unit, whether the Information Provider ships that level or not.

This value can be specified in language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. There should only be one value per language.

2.193 Package Marks (1 of 2) - packagingMarkedLabelAccreditationCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- packagingMarkedLabelAccreditationCode
- tradeItemDateOnPackagingTypeCode

This section is for the attribute packagingMarkedLabelAccreditationCode.

2.193.1 Basic Information

- GDSN Module- PackagingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- packagingMarkedLabelAccreditationCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- This is a code value signifying any marks or logos relevant for the Trade Item and have been placed on the Trade Item's packaging. This attribute is repeatable to allow for the population of all applicable values (e.g., Rain Forest Alliance, Marine Stewardship Council, Forest Stewardship Council, USDA, etc.).
- GDD Definition- A marking that the Trade Item received recognition, endorsement, or certification by following guidelines by the label issuing agency. This does not represent claims for regulatory purposes on products such as "free from" markings.

2.193.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value to represent the marks or seals which might appear on the side of the packaging (e.g., Marine Stewardship Council). There is a table which provides more detail about the code such as the icon or logo, definition and website for more information. The table can be found at: http://www.gs1.org/docs/gdsn/packaging_label_guide.xls

2.193.3 Code List Values

See the PackagingMarkedLabelAccreditationCode List for the codes that may be used for this attribute.

2.194 Package Marks (2 of 2) - tradeItemDateOnPackagingTypeCode

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- packagingMarkedLabelAccreditationCode
- tradeItemDateOnPackagingTypeCode

This section is for the attribute tradeItemDateOnPackagingTypeCode.

2.194.1 Basic Information

- GDSN Module- PackagingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- tradeItemDateOnPackagingTypeCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This is a code value which identifies the type of product dating that can be found on the packaging. It does not signify the actual dates on the packaging (e.g., PRODUCTION_DATE, BEST_BEFORE_DATE, etc.).

- GDD Definition- Indicates the type of date marked on the packaging (e.g., Best Before Date).

2.194.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value to represent the type of date which can be found marked on the packaging. This values does not denote any actual date or date format used - only the <u>type</u> of date.

2.194.3 Code List Values

See the tradeItemDateOnPackagingTypeCode List for the codes that may be used for this attribute.

2.195 Packaging

2.195.1 Basic Information

- GDSN Module- PackagingInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- packagingTypeCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- This code signifies the type of packaging used for the item. Values are from a GS1 managed code list.

- GDD Definition- The dominant means used to transport, store, handle or display the Trade Item as defined by the data source. This packaging is not used to describe any manufacturing process. Data recipients can use this data for: Space Planning, Data Accuracy (Tolerances), Supply Chain processes, Recycling process (In combination with packaging materials), Product buying / procurement decisions, Tax calculations/fees/duties calculation, etc.

2.195.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value to represent the type of packaging in which the Trade Item is contained.

2.195.3 Code List Values

See the PackagingTypeCode List for the codes that may be used for this attribute.

2.196 Pallet Ti / Hi (pallet with GTIN) (1 of 2) - quantityOfCompleteLayersContainedInATradeItem

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- quantityOfCompleteLayersContainedInATradeItem

- quantityOfTradeItemsContainedInACompleteLayer

This section is for the attribute quantityOfCompleteLayersContainedInATradeItem.

2.196.1 Basic Information

- GDSN Module- TradeItemHierarchyModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfCompleteLayersContainedInATradeItem
- Data Type- nonNegative Integer
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- For Pallet level GTINs, this denotes the number of layers on the pallet.
- GDD Definition- The number of layers of the base Trade Item found in a Trade Item. Does not apply to the base Trade Item unit.

2.196.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an integer to denote the number of layers in a Trade Item. This attribute is only to be used on a hierarchy level where a GTIN is assigned. It refers to the number of layers in the GTIN upon which it is populated. For example, if this attribute is populated on a CASE GTIN, then it refers to the number of layers in the case.

Typical use of this attribute is on a PALLET GTIN. DO NOT use this attribute to denote the number of layers on a pallet unless you have assigned a GTIN to the pallet level of the hierarchy.

For PALLET Ti Hi information where no Pallet GTIN is assigned, use the attributes described in Pallet Ti /Hi (No Pallet GTIN).

When populating Pallet information, an easy way to remember which set of attribute to use is:

- If the attribute name contains the words "Per Pallet" - the attribute should be used when synchronizing Ti/Hi information where there is no Pallet GTIN.
- If the attribute name contains the words "Contained in a" - the attribute should be used when synchronizing Ti/Hi information where there is a Pallet GTIN.

2.197 Pallet Ti / Hi (pallet with GTIN) (2 of 2) - quantityOfTradeItemsContainedInACompleteLayer

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- quantityOfCompleteLayersContainedInATradeItem
- quantityOfTradeItemsContainedInACompleteLayer

This section is for the attribute quantityOfTradeItemsContainedInACompleteLayer.

2.197.1 Basic Information

- GDSN Module- TradeItemHierarchyModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfTradeItemsContainedInACompleteLayer
- Data Type- nonNegative Integer

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- For Pallet level GTINs, this denotes the number of next lower level GTINs in each layer of the pallet.

- GDD Definition- The number of Trade Items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a Trade Item. Cannot be used for Trade Item base unit.

2.197.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an integer to denote the number of Trade Items in a layer of a Trade Item. This attribute is only to be used on a hierarchy level where a GTIN is assigned. It refers to the number of Trade Items in a layer in the GTIN upon which it is populated. For example, if this attribute is populated on a CASE GTIN, then it refers to the number of Trade Items per layer in the case.

Typical use of this attribute is on a PALLET GTIN. DO NOT use this attribute to denote the number of Trade Items in a layer on a pallet unless you have assigned a GTIN to the pallet level of the hierarchy.

For PALLET Ti Hi information where no Pallet GTIN is assigned, use the attributes described in Pallet Ti /Hi (No Pallet GTIN).

When populating Pallet information, an easy way to remember which set of attribute to use is:

- If the attribute name contains the words "Per Pallet" - the attribute should be used when synchronizing Ti/Hi information where there is no Pallet GTIN.

- If the attribute name contains the words "Contained in a" - the attribute should be used when synchronizing Ti/Hi information where there is a Pallet GTIN.

2.198 Pallet Ti / Hi (pallet with no GTIN) (1 of 3) - quantityOfTradeItemsPerPallet

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- quantityOfTradeItemsPerPallet

- quantityOfLayersPerPallet

- quantityOfTradesPerPalletLayer

This section is for the attribute quantityOfTradeItemsPerPallet.

2.198.1 Basic Information

- GDSN Module- TradeItemHierarchyModule

- GDSN Content- Attribute

- GDD Attribute Name- quantityOfTradeItemsPerPallet

- Data Type- nonNegative Integer

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- For Pallet information, where a pallet GTIN is not assigned, the total number of highest level GTINs on the pallet. This is only populated at the highest non-Pallet GTIN when there is no pallet GTIN.

- GDD Definition- The number of Trade Items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of Trade Items placed on a pallet according to supplier or Retailer preferences.

2.198.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an integer to denote the number of Trade Items on a pallet of a Trade Item. This attribute is only to be used in a hierarchy where NO GTIN is assigned to the pallet. This set of attributes would be populated at the highest hierarchy level below the pallet level.

This is only used when there is one and only one pallet configuration. If there are multiple pallet configurations, GTINs would need to be assigned to each configuration and the Ti/Hi attributes for Pallet GTINs should be used.

Typical use of this attribute is on a PALLET with no Pallet level GTIN. DO NOT use this attribute to denote the number of Trade Items in a layer on a pallet unless you have not assigned a GTIN to the pallet level of the hierarchy. This attribute will appear on the case GTIN once.

For PALLET Ti Hi information where a Pallet GTIN is assigned, use the attributes described in Pallet Ti/Hi (Pallet with GTIN).

When populating Pallet information, an easy way to remember which set of attribute to use is:

- If the attribute name contains the words "Per Pallet" - the attribute should be used when synchronizing Ti/Hi information where there is no Pallet GTIN.
- If the attribute name contains the words "Contained in a" - the attribute should be used when synchronizing Ti/Hi information where there is a Pallet GTIN.

2.199 Pallet Ti / Hi (pallet with no GTIN) (2 of 3) - quantityOfLayersPerPallet

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- quantityOfTradeItemsPerPallet
- quantityOfLayersPerPallet
- quantityOfTradesPerPalletLayer

This section is for the attribute quantityOfLayersPerPallet.

2.199.1 Basic Information

- GDSN Module- TradeItemHierarchyModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfLayersPerPallet
- Data Type- nonNegative Integer
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- For Pallet information, where a pallet GTIN is not assigned, the total number of layers on the pallet. This is only populated at the highest non-Pallet GTIN when there is no pallet GTIN.
- GDD Definition- The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or Retailer preferences.

2.199.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an integer to denote the number of layers on the pallet of a Trade Item. This attribute is only to be used in a hierarchy where NO GTIN is assigned to the pallet. This set of attributes would be populated at the highest hierarchy level below the pallet level. This is only used when there is one and only one pallet configuration. If there are multiple pallet configurations, GTINs would need to be assigned to each configuration and the Ti/Hi attributes for Pallet GTINs should be used.

Typical use of this attribute is on a PALLET with no Pallet level GTIN. DO NOT use this attribute to denote the number of Trade Items in a layer on a pallet unless you have not assigned a GTIN to the pallet level of the hierarchy. This attribute will appear on the case GTIN once.

For PALLET Ti Hi information where a Pallet GTIN is assigned, use the attributes described in Pallet Ti/Hi (Pallet with GTIN).

When populating Pallet information, an easy way to remember which set of attribute to use is:

- If the attribute name contains the words "Per Pallet" - the attribute should be used when synchronizing Ti/Hi information where there is no Pallet GTIN.

- If the attribute name contains the words "Contained in a" - the attribute should be used when synchronizing Ti/Hi information where there is a Pallet GTIN.

2.200 Pallet Ti / Hi (pallet with no GTIN) (3 of 3) - quantityOfTradesPerPalletLayer

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- quantityOfTradeItemsPerPallet
- quantityOfLayersPerPallet
- quantityOfTradesPerPalletLayer

This section is for the attribute quantityOfTradesPerPalletLayer.

2.200.1 Basic Information

- GDSN Module- TradeItemHierarchyModule
- GDSN Content- Attribute
- GDD Attribute Name- quantityOfTradeItemsPerPalletLayer
- Data Type- nonNegative Integer
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- For Pallet information, where a pallet GTIN is not assigned, the total number of highest level GTINs in each layer on the pallet. This is only populated at the highest non-Pallet GTIN when there is no pallet GTIN.
- GDD Definition- The number of Trade Items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of Trade Items placed on a pallet layer according to supplier or Retailer preferences.

2.200.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an integer to denote the number of Trade Items in a layer on the pallet of a Trade Item. This attribute is only to be used in a hierarchy where NO GTIN is assigned to the pallet. This set of

attributes would be populated at the highest hierarchy level below the pallet level. This is only used when there is one and only one pallet configuration. If there are multiple pallet configurations, GTINs would need to be assigned to each configuration and the Ti/Hi attributes for Pallet GTINs should be used.

Typical use of this attribute is on a PALLET with no Pallet level GTIN. DO NOT use this attribute to denote the number of Trade Items in a layer on the pallet unless you have not assigned a GTIN to the pallet level of the hierarchy. This attribute will appear on the case GTIN once.

For PALLET Ti/Hi information where a Pallet GTIN is assigned, use the attributes described in Pallet Ti/Hi (Pallet with GTIN).

When populating Pallet information, an easy way to remember which set of attribute to use is:

- If the attribute name contains the words "Per Pallet" - the attribute should be used when synchronizing Ti/Hi information where there is no Pallet GTIN.

- If the attribute name contains the words "Contained in a" - the attribute should be used when synchronizing Ti/Hi information where there is a Pallet GTIN.

2.201 Preparation & Cooking Instructions (1 of 2) - preparationType

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- preparationType
- preparationInstructions

This section is for the attribute preparationType.

2.201.1 Basic Information

- GDSN Module- FoodAndBeveragePreparationServingModule
- GDSN Content- Attribute
- GDD Attribute Name- preparationType
- Data Type- Code List
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items Only
- Foodservice Definition- A code specifying the technique used to make the product ready for consumption (e.g., baking, boiling, etc.). This group of attributes can be repeated for all preparation instructions.
- GDD Definition- A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.

2.201.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code which qualifies the preparation instructions provided in the attribute preparationInstructions. These two attributes are populated as a pair. This allows for the population of different preparation instructions which are provided for the item, such as Microwaving, Baking, and Frying.

2.201.3 Code List

See the PreparationType Code List for the codes that may be used for this attribute.

2.202 Preparation & Cooking Instructions (2 of 2) - preparationInstructions

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- preparationType
- preparationInstructions

This section is for the attribute preparationInstructions.

2.202.1 Basic Information

- GDSN Module- FoodAndBeveragePreparationServingModule
- GDSN Content- Attribute
- GDD Attribute Name- preparationInstructions
- Data Type- Description2500 (Free Text 1-2500 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- Textual instruction on how to prepare the product before serving. For Bulk or Ready To Use Items, the value of "N/A" should be populated.
- GDD Definition- Textual instruction on how to prepare the product before serving. (2500 Characters)

2.202.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the full text containing the preparation instructions which are applicable for the qualifier code populated in the attribute preparationType. These two attributes are populated as a pair. This allows for the population of different preparation instructions which are provided for the item, such as Microwaving, Baking, and Frying.

This value can be specified in language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. There should only be one value per language.

2.203 Private Label Items

2.203.1 Basic Information

- GDSN Module- SalesInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- brandDistributionTypeCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional- Provide if needed
- Foodservice Common Definition- A code value to denote the item is a private label or restricted distribution item. Denoting that an item is private label can eliminate the need to populate nutrients, allergens, and other secondary data for the item. Manufacturers of private label items must consult with the Brand Owner of the item to determine if they still need to provide the nutrients, allergens, and other secondary data for the item.
- GDD Definition- Any restrictions imposed on the Trade Item on how it can be sold to the consumer or recipient trading partner.

2.203.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value which signifies the Trade Item is a restricted or private label item. Knowledge of this will allow trading partners to better manage the data shared between them. In many cases, the recipient may have the ingredient, allergen, nutrient information, or other information and not need that information to be provided in the GDSN Message. With this code, the recipient can choose to handle the GTIN different from a national brand by referencing their own information as opposed to expecting the information to be supplied through GDSN.

2.203.3 Code List

See the BrandDistributionTypeCode List for the codes that may be used for this attribute.

2.204 Product Formulation (1 of 7) - creditableIngredientTypeCode

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit
- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute creditableIngredientTypeCode.

2.204.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- creditableIngredientTypeCode
- Data Type- CreditableIngredientTypeCode
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Definition- A qualifier to specify a type of creditable ingredient applicable to the trade item as noted on the Product Formulation Statement and specified by the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body.
- GDD Definition- A qualifier to specify a type of creditable ingredient applicable to the trade item as noted on the Product Formulation Statement and specified by the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body.

2.204.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.205 Product Formulation (2 of 7) - doesTradeItemMeetWholeGrainRichCriteria

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit
- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute doesTradeItemMeetWholeGrainRichCriteria.

2.205.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- doesTradeItemMeetWholeGrainRichCriteria
- Data Type- NonBinaryLogicEnumeration
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Definition- An indication the trade item meets the whole grain-rich criteria as defined and regulated by the applicable Product Formulation Statement Regulatory Body.
- GDD Definition- An indication the trade item meets the whole grain-rich criteria as defined and regulated by the applicable Product Formulation Statement Regulatory Body.

2.205.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.206 Product Formulation (3 of 7) - productFormulationStatementDescription

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit
- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute productFormulationStatementDescription.

2.206.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- productFormulationStatementDescription

- Data Type- Description5000

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Definition- A textual statement listed on the Product Formulation Statement as specified in the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body. The name and position of the company official who has signed the actual statement.

- GDD Definition- A textual statement listed on the Product Formulation Statement as specified in the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body. The name and position of the company official who has signed the actual statement.

2.206.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.207 Product Formulation (4 of 7) - productFormulationStatementDocument

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit
- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute productFormulationStatementDocument.

2.207.1 Basic Information

- GDSN Module- ProductFormulationModule

- GDSN Content- Association

- GDD Attribute Name- productFormulationStatementDocument

- Data Type- ReferencedFileInformationName

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Definition- A link to a copy of the Product Formulation Statement.

- GDD Definition- A link to a copy of the Product Formulation Statement.

2.207.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.208   Product Formulation (5 of 7) - totalCreditableIngredientTypeAmount

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit

- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute totalCreditableIngredientTypeAmount.

2.208.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- totalCreditableIngredientTypeAmount
- Data Type- Measurement
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Definition- The sum total creditable amount of all the creditable ingredient type(s) applicable for the item as calculated using the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body. Per US regulations total creditable amount must be rounded down to the nearest quarter (0.25) ounce equivalent in the US target market.
- GDD Definition- The sum total creditable amount of all the creditable ingredient type(s) applicable for the item as calculated using the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body. Per US regulations total creditable amount must be rounded down to the nearest quarter (0.25) ounce equivalent in the US target market.

2.208.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.209   Product Formulation (6 of 7) - totalPortionWeightAsPurchased

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit

- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute totalPortionWeightAsPurchased.

2.209.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- totalPortionWeightAsPurchased
- Data Type- Measurement
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Definition- The total portion weight of the trade item as purchased. This value(s) is as noted on the Product Formulation Statement and expressed in at least one measurement.
- GDD Definition- The total portion weight of the trade item as purchased. This value(s) is as noted on the Product Formulation Statement and expressed in at least one measurement.

2.209.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.210   Product Formulation (7 of 7) - yieldServingsPerUnit

This section provides guidance for a GDD attribute which is a part of a group of seven (7) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The twentytwo attributes in this group are:

- creditableIngredientTypeCode
- productFormulationStatementDescription
- totalCreditableIngredientTypeAmount
- yieldServingsPerUnit
- doesTradeItemMeetWholeGrainRichCriteria
- productFormulationStatementDocument
- totalPortionWeightAsPurchased

This section is for the attribute yieldServingsPerUnit.

2.210.1 Basic Information

- GDSN Module- ProductFormulationModule
- GDSN Content- Attribute
- GDD Attribute Name- yieldServingsPerUnit
- Data Type- Decimal
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Definition- The yield per purchasing unit as calculated using the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.
- GDD Definition- The yield per purchasing unit as calculated using the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.

2.210.2 Foodservice GS1 US Standards Initiative Guidance

This attribute supports the exchange of child nutrition information as required by the USDA for the US.

NOTE: THIS GROUP OF ATTRIBUTES MAY NOT BE BROADLY ACCEPTED BEFORE THE SUNRISE IN MAY 2018.

2.211   Product Name

2.211.1 Basic Information

- GDSN Module- TradeItemDescriptionModule

- GDSN Content- Attribute

- GDD Attribute Name- tradeItemDescription

- Data Type- Description200 (Free Text 1-200 Characters) (Language Qualified)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition- A descriptive name of the product. Some abbreviations can be used if description is exceeding 200 characters. Can be specified in multiple languages, but only one value per language.

- GDD Definition- An understandable and useable description of a Trade Item using brand and other descriptors. This attribute is filled with as little abbreviation as possible while keeping to a reasonable length. This should be a meaningful description of the Trade Item with full spelling to facilitate message processing. Retailers can use this description as the base to fully understand the brand, flavour, scent etc. of the specific GTIN in order to accurately create a product description as needed for their internal systems (e.g., GS1 Brand Base Invisible Solid Deodorant AP Stick Spring Breeze; GS1 Brand Laundry Detergent Liquid Compact Regular Instant Stain 1; GS1 Brand Hair Colour Liquid Light to Medium Blonde; etc.). Allows for the representation of the same value in different languages but not for multiple values.

2.211.2 Foodservice GS1 US Standards Initiative Guidance

This attribute provides a medium description of the product. The value populated should be descriptive and using as few abbreviations as is possible. This value should be an expansion of the value provided in the short description field.

This value can be specified in any language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. There should only be one value per language.

2.212   Product Variant (1 of 3) - productionVariantDescription

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- productionVariantDescription

- productionVariantEffectiveDate

- extension (Variant) (repeat all attributes for the item for each instance of productionVariantDescription)

This section is for the attribute productionVariantDescription.

2.212.1 Basic Information

- GDSN Module- CoreItem

- GDSN Content- Attribute

- GDD Attribute Name- productionVariantDescription

- Data Type- Description70 (Free Text 1-70 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Definition- A description of a variant of a Trade Item. This description will signify or qualify a different variant of the Trade Item and its set of item attributes.

- GDD Definition- Free text assigned by the Manufacturer to describe the production variant (e.g., package series X, package series Y, etc.).

2.212.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a textual description of a variation or variant of an item. A variant is a version of the item which is different from previous version, but bears the same GTIN and conforms to GTIN Allocation Rules (e.g., a change in packaging type; a minor formulation change; a change in packaging color to a different hue of the same color family; etc.).

This attribute can be populated multiple times on a Trade Item. For each population, all but a few of the attributes in GDSN would be repeated with the values for the specified productionVariantDescription. Each instance of variant information must contain all attributes for the item in that variant format such that if the recipient only had that set of information, they would have all values needed. The attributes under a variant will not be just deltas from a master version - they will be a master version unto themselves. There are some attributes which would be above the variant and not applicable to be different at the variant level. These are:

- GTIN
- Information Provider
- Target Market
- Branding information
- Contact Information
- Diet Type
- Net Content

- Hierarchy level and pack size
- Discontinue or cancel dates for the item
- Seasonal information
- Lifespan information
- Indicators (Base unit, Consumer Unit, Orderable Unit, Invoice Unit, Shipping Unit, and Batch Number)
- Grade Code

2.213 Product Variant (2 of 3) - productionVariantEffectiveDate

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- productionVariantDescription

- productionVariantEffectiveDate

- extension (Variant) (repeat all attributes for the item for each instance of productionVariantDescription)

This section is for the attribute productionVariantEffectiveDate.

2.213.1 Basic Information

- GDSN Module- CoreItem

- GDSN Content- Attribute

- GDD Attribute Name- productionVariantEffectiveDate

- Data Type- DateTime

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The effective start date for a production variant.

- GDD Definition- The start date of a production variant. The variant applies to products having a date mark (e.g., a best before date or expiration date) on the package that comes on or after the effective date.

2.213.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the date upon which the variation or variant of the item, identified by the value in the productionVariantDescription becomes effective for use. A variant is a version of the item which is different from previous version, but bears the same GTIN and conforms to GTIN Allocation Rules (e.g., a change in packaging type; a minor formulation change; a change in packaging color to a different hue of the same color family; etc.).

This attribute can be populated multiple times on a Trade Item. For each population, all but a few of the attributes in GDSN would be repeated with the values for the specified productionVariantDescription. Each instance of variant information must contain all attributes for the item in that variant format such that if the recipient only had that set of information, they would have all values needed. The attributes under a variant will not be just deltas from a master version -- they will be a master version unto themselves. There are some attributes which would be above the variant and not applicable to be different at the variant level. These are:

- GTIN
- Information Provider
- Target Market
- Branding information
- Contact Information
- Diet Type
- Net Content

- Hierarchy level and pack size
- Discontinue or cancel dates for the item
- Seasonal information
- Lifespan information
- Indicators (Base unit, Consumer Unit, Orderable Unit, Invoice Unit, Shipping Unit, and Batch Number)
- Grade Code

2.214 Product Variant (3 of 3) - extension (Variant)

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- productionVariantDescription

- productionVariantEffectiveDate

- extension (Variant) (repeat all attributes for the item for each instance of productionVariantDescription)

This section is for the attribute extension (Variant).

2.214.1 Basic Information

- GDSN Module- CoreItem

- GDSN Content- Association

- GDD Attribute Name- extension (Variant)

- Data Type- extension

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- This is a point in the GDSN message where the various attributes to describe a variant can be inserted.

■ GDD Definition- An extension point for the Trade Item.

2.214.2 Foodservice GS1 US Standards Initiative Guidance

This is an association which allows for the population of almost all of the modules in the GDSN Message against a specific productionVariantDescription. Attributes populated against the extension point will constitute a variant of the Trade Item. A variant is a version of the item which is different from previous version, but bears the same GTIN and conforms to GTIN Allocation Rules (e.g., a change in packaging type; a minor formulation change; a change in packaging color to a different hue of the same color family; etc.).

Variant attributes can be populated multiple times on a Trade Item. For each population, all but a few of the attributes in GDSN would be repeated with the values for the specified productionVariantDescription. Each instance of variant information must contain all attributes for the item in that variant format such that if the recipient only had that set of information, they would have all values needed. The attributes under a variant will not be just deltas from a master version -- they will be a master version unto themselves. There are some attributes which would be above the variant and not applicable to be different at the variant level. These are:

■ GTIN

■ Information Provider

■ Target Market

■ Branding information

■ Contact Information

■ Diet Type

■ Net Content

■ Hierarchy level and pack size

■ Discontinue or cancel dates for the item

■ Seasonal information

■ Lifespan information

■ Indicators (Base unit, Consumer Unit, Orderable Unit, Invoice Unit, Shipping Unit, and Batch Number)

■ Grade Code

2.215 Quantity of Child GTIN Units

2.215.1 Basic Information

■ GDSN Module- CoreItem

■ GDSN Content- Attribute

■ GDD Attribute Name- quantityOfNextLowerLevelTradeItem

■ Data Type- nonNegative Integer

■ GDSN Required- GDSN Dependent

■ Foodservice Best Practice- Dependent

■ Foodservice Common Definition- This is the actual quantity of units for the specified child GTIN. Examples: For a case with 12 cans of tomatoes which carry the same GTIN, this value is 12. For a case with 24 cans of soda, 18 regular and 6 diet, this value is 18 for the regular child GTIN, and 6 for the diet child GTIN.

■ GDD Definition- The number of one child Trade Item (as identified by the association of ChildTradeItem class to TradeItemIdentification class) contained by the parent Trade Item. The child Trade Item must be in the hierarchy level immediately below the parent Trade Item.

2.215.2 Foodservice GS1 US Standards Initiative Guidance

This attribute specifies the quantity of a specific child GTIN which is contained in the item. This attribute is populated on GTINs where the attribute isTradeItemABaseUnit is populated with a value of FALSE. This must be provided with an applicable child GTIN.

This value is the amount of child units in this GTIN for a specific child. This value is tied to the attribute childGTIN and is specific to that GTIN.

- Where there is **only one** GTIN at the next level of the hierarchy (one Child GTIN), then the values populated in the attributes totalQuantityOfNextLowerLevelTradeItem and quantityOfNextLowerLevelTradeItem **WILL** be equal.

- Where there is **more than one** GTIN at the next level of the hierarchy (more than one Child GTIN), then the values populated in the attributes totalQuantityOfNextLowerLevelTradeItem and quantityOfNextLowerLevelTradeItem **WILL NOT** be equal.

EXAMPLE 1: If a case contains four bottles of one flavor of a sauce, this value is 4.

Attribute Name	Bottle of Bar-B-Q sauce (EACH)	Case of 4 bottles of Bar-B-Q sauce (CASE)
GTIN	06141417777773	16141417777770
totalQuantityOfNextLowerLevelTradeItem	N/A	4
quantityOfChildren	N/A	1
childGITN	N/A	06141417777773
quantityOfNextLowerLevelTradeItem	N/A	4

EXAMPLE 2: If a case contains six bags of two types of brown sugar (12 total bags), this value is 6.

Attribute Name	Bag of Light Brown Sugar (EACH)	Bag of Dark Brown Sugar (EACH)	Case of 6 bags of Light Brown Sugar & 6 bags of Dark Brown Sugar (CASE)
GTIN	06141413333331	06141414444449	06141415555557
totalQuantityOfNextLowerLevelTradeItem	N/A	N/A	12
quantityOfChildren	N/A	N/A	2
childGTiN	N/A	N/A	06141413333331
quantityOfNextLowerLevelTradeItem	N/A	N/A	6
childGTiN	N/A	N/A	06141414444449
quantityOfNextLowerLevelTradeItem	N/A	N/A	6

2.216 REACH Information (1 of 2) - isSubstanceOfVeryHighConcern

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- isSubstanceOfVeryHighConcern

- isTradeItemREACHRelevant

This section is for the attribute isSubstanceOfVeryHighConcern.

2.216.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- isSubstanceOfVeryHighConcern

- Data Type- NonBinaryLogicEnumeration

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Indicator that the item is a substance of very high concern according to REACH regulations, as described in the GDD Definition.

- GDD Definition- An indicator that a Trade Item contains substances of very high concern (SVHC) according to REACH as defined in as defined in Article 57 of Regulation (EC) No 1907/2006. This indication does not mean the contained substance or substances have been added to the REACH Candidate List. Substances of very high concern (SVHC) are defined as:

- Substances that are category 1 and 2 carcinogens, mutagens, or toxic to the reproductive system (CMR).

- Substances that are persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB).

- Substances such as endocrine disrupters, which are demonstrated to be of equivalent concern. For these substances, there are specific requirements under the REACH Regulation.

2.216.2 Foodservice GS1 US Standards Initiative Guidance

This attribute indicates that the item is considered to be of very high concern according to REACH regulations, as defined in as defined in Article 57 of Regulation (EC) No 1907/2006. It is recommended that the Information Provider of the GDSN Message familiarize themselves with the particulars of the article to ensure accurate population of the attributes related to it.

If a TRUE value is populated for this attribute, other REACH relevant attributes should be provided.

2.216.3 Code List

See the NonBinaryLogicEnumeration Code List for the codes that may be used for this attribute.

2.217   REACH Information (2 of 2) - isTradeItemREACHRelevant

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- isSubstanceOfVeryHighConcern

- isTradeItemREACHRelevant

This section is for the attribute isTradeItemREACHRelevant.

2.217.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- isTradeItemREACHRelevant

- Data Type- NonBinaryLogicEnumeration

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Indicator that the item has ingredients which are subject to REACH regulations.

- GDD Definition- An indicator that the Trade Item may have ingredients that subject it to REACH.

2.217.2 Foodservice GS1 US Standards Initiative Guidance

This attribute indicates that the item is considered to consist of chemicals which may be governed according to REACH regulations, as defined in as defined in Article 57 of Regulation (EC) No 1907/2006. It is recommended that the Information Provider of the GDSN Message familiarize themselves with the particulars of the article to ensure accurate population of the attributes related to it. A TRUE value for this attribute will signify that other REACH attributes should be provided.

2.217.3 Code List Values

See the NonBinaryLogicEnumeration Code List for the codes that may be used for this attribute.

2.218   REACH Use Information (1 of 4) - rEACHChemicalProductUseDescriptorCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- rEACHChemicalProductUseDescriptorCode

- rEACHEnvironmentReleaseUseCategoryCode

- rEACHProcessUseDescriptorCode

- rEACHSectorUseDescriptorCode

This section is for the attribute rEACHChemicalProductUseDescriptorCode.

2.218.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- rEACHChemicalProductUseDescriptorCode

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The REACH product use descriptor code for the item. This group of attributes can be repeated for each instance of REACH information which is related to the item.

- GDD Definition- The types of preparations (mixtures) the substance is contained in end-use. An example of a Reach Chemical Product Descriptor is PC1: Adhesives, sealants.

2.218.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code, defined in the REACH regulations (Article 57 of Regulation (EC) No 1907/2006), to describe the chemical product type in which the substance is supplied to end use. These categories can also be used to describe the market sectors (formulating sectors) to which the Manufacturer potentially

supplies his substance. These codes are governed by the REACH Regulation (Article 57 of Regulation (EC) No 1907/2006). For Product Use, the codes begin with a "PC".

2.218.3 Code List

There is a list of code values for this attribute, which is defined externally in the REACH Regulations (Article 57 of Regulation (EC) No 1907/2006).

2.219 REACH Use Information (2 of 4) – rEACHEnvironmentReleaseUseCategoryCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- rEACHChemicalProductUseDescriptorCode
- rEACHEnvironmentReleaseUseCategoryCode
- rEACHProcessUseDescriptorCode
- rEACHSectorUseDescriptorCode

This section is for the attribute rEACHEnvironmentReleaseUseDescriptoryCode.

2.219.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- rEACHEnvironmentReleaseUseCategoryCode
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The REACH environment release use descriptor code for the item. This group of attributes can be repeated for each instance of REACH information which is related to the item.
- GDD Definition- The broad conditions of use from the environmental perspective. An example of a REACH Environment Release Category is ERC 3 Formulation in materials.

2.219.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code, defined in the REACH regulations (Article 57 of Regulation (EC) No 1907/2006), to describe the broad conditions of use defined from the environmental perspective, relevant for all uses of the substance and the subsequent service life in articles. These codes are governed by the REACH Regulation (Article 57 of Regulation (EC) No 1907/2006). For Environmental Release Use, the codes begin with an "ERC".

2.219.3 Code List

There is a list of code values for this attribute, which is defined externally in the REACH Regulations (Article 57 of Regulation (EC) No 1907/2006).

2.220 REACH Use Information (3 of 4) - rEACHProcessUseDescriptorCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- rEACHChemicalProductUseDescriptorCode
- rEACHEnvironmentReleaseUseCategoryCode
- rEACHProcessUseDescriptorCode
- rEACHSectorUseDescriptorCode

This section is for the attribute rEACHProcessUseDescriptorCode.

2.220.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- rEACHProcessUseDescriptorCode
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The REACH process use descriptor code for the item. This group of attributes can be repeated for each instance of REACH information which is related to the item.
- GDD Definition- The technical process or application in which the substance is used from an occupational perspective. An example of a REACH Process Use Descriptor is PROC 7 Industrial Spraying.

2.220.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code, defined in the REACH regulations (Article 57 of Regulation (EC) No 1907/2006), to describe the application techniques or process types defined from the occupational perspective. These codes are governed by the REACH Regulation (Article 57 of Regulation (EC) No 1907/2006). For Process Use, the codes begin with a "PROC".

2.220.3 Code List

There is a list of code values for this attribute, which is defined externally in the REACH Regulations (Article 57 of Regulation (EC) No 1907/2006).

2.221 REACH Use Information (4 of 4) - rEACHSectorUseDescriptorCode

This section provides guidance for a GDD attribute which is a part of a group of four (4) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The four attributes in this group are:

- rEACHChemicalProductUseDescriptorCode
- rEACHEnvironmentReleaseUseCategoryCode
- rEACHProcessUseDescriptorCode
- rEACHSectorUseDescriptorCode

This section is for the attribute rEACHSectorUseDescriptorCode.

2.221.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- rEACHSectorUseDescriptorCode

- Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The REACH sector use descriptor code for the item. This group of attributes can be repeated for each instance of REACH information which is related to the item.

- GDD Definition- The sector of the economy the substance is used. Use includes manufacture in the chemical industry, mixing of substances at formulator's level as well as industrial, and professional and consumer end-uses. An example of a REACH Sector Use Descriptor is SU4 Manufacture of food products.

2.221.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code, defined in the REACH regulations (Article 57 of Regulation (EC) No 1907/2006), to describe the user groups relevant for all uses of the substance, Industrial, Consumer, or Professional. These codes are governed by the REACH Regulation (Article 57 of Regulation (EC) No 1907/2006). For Sector Use, the codes begin with a "SU".

2.221.3 Code List

There is a list of code values for this attribute, which is defined externally in the REACH Regulations.

2.222 Safety Data Sheet (1 of 18) - chemicalIngredientConcentrationLowerValue

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute chemicalIngredientConcentrationLowerValue.

2.222.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- chemicalIngredientConcentrationLowerValue

- Data Type- Measurement

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The lower value of a range of a chemical ingredient concentration.

- GDD Definition- The lower value of a range of a chemical ingredient concentration.

2.222.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.223 Safety Data Sheet (2 of 18) - chemicalIngredientConcentrationMeasurementPrecision

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute chemicalIngredientConcentrationMeasurementPrecision.

2.223.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- chemicalIngredientConcentrationMeasurementPrecision

- Data Type- MeasurementPrecisionCode

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The measurement precision used to determine the concentration of a chemical ingredient for example EXACT.

- GDD Definition- The measurement precision used to determine the concentration of a chemical ingredient for example EXACT.

2.223.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.224 Safety Data Sheet (3 of 18) - chemicalIngredientConcentrationUpperValue

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute chemicalIngredientConcentrationUpperValue.

2.224.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- chemicalIngredientConcentrationUpperValue

- Data Type- Measurement

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The upper value of a range of a chemical ingredient concentration.

- GDD Definition- The upper value of a range of a chemical ingredient concentration.

2.224.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.225 Safety Data Sheet (4 of 18) - chemicalIngredientOrganisation

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute chemicalIngredientOrganisation.

2.225.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- chemicalIngredientOrganisation
- Data Type- string (Text 1-35 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The organization which manages the chemical ingredient identification values. This attribute is paired with the chemical ingredient list.
- GDD Definition- An organization managing a chemical ingredient identification scheme.

2.225.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.226 Safety Data Sheet (5 of 18) - firstAidProceduresDescription

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue

- chemicalIngredientConcentrationMeasurementPrecision

- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute firstAidProceduresDescription.

2.226.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- firstAidProceduresDescription
- Data Type- Description5000
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A description of any first aid procedures necessary in case of exposure. Note: This is used in compliance with ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).
- GDD Definition- A description of any first aid procedures necessary in case of exposure. Note: This is used in compliance with ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).

2.226.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.227 Safety Data Sheet (6 of 18) - flashPointDescriptor

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue

- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute flashPointDescriptor.

2.227.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- flashPointDescriptor
- Data Type- Description1000
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A descriptor that informs which action the trade item must be used under to achieve that flash point for example when dispensed.
- GDD Definition- A descriptor that informs which action the trade item must be used under to achieve that flash point for example when dispensed.

2.227.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.228 Safety Data Sheet (7 of 18) - flashPointTemperature

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute flashPointTemperature.

2.228.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- flashPointTemperature

- Data Type- TemperatureMeasurement

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The temperature at which a substance gives off a sufficient vapour to support combustion. This uses a measurement consisting of a unit of measure and value. The flash point is not the lowest point but the point at which flash point occurs and it could be that temperature is lower for some products. The scientific Measurement Precision code would determine that.

- GDD Definition- The temperature at which a substance gives off a sufficient vapour to support combustion. This uses a measurement consisting of a unit of measure and value. The flash point is not the lowest point but the point at which flash point occurs and it could be that temperature is lower for some products. The scientific Measurement Precision code would determine that.

2.228.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.229 Safety Data Sheet (8 of 18) - flashPointTemperatureLowerValue

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute flashPointTemperatureLowerValue.

2.229.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- flashPointTemperatureLowerValue

- Data Type- TemperatureMeasurement

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- A lower value of a possible range of flash point temperatures.

- GDD Definition- A lower value of a possible range of flash point temperatures.

2.229.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.230 Safety Data Sheet (9 of 18) - flashPointTemperatureMeasurementPrecision

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute flashPointTemperatureMeasurementPrecision.

2.230.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- flashPointTemperatureMeasurementPrecision

- Data Type- MeasurementPrecisionCode

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The measurement precision used for calculating a flash point temperature for example EXACT.

- GDD Definition- The measurement precision used for calculating a flash point temperature for example EXACT.

2.230.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.231 Safety Data Sheet (10 of 18) - flashPointTemperatureUpperValue

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute flashPointTemperatureUpperValue.

2.231.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- flashPointTemperatureUpperValue
- Data Type- TemperatureMeasurement
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A upper value of a possible range of flash point temperatures.
- GDD Definition- A upper value of a possible range of flash point temperatures.

2.231.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.232 Safety Data Sheet (11 of 18) - isProductClassifiedAsNonHazardous

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute isProductClassifiedAsNonHazardous.

2.232.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- isProductClassifiedAsNonHazardous

- Data Type - Boolean (Yes/No)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- Indication that the product is classified, on its own or when aggregated, as non-hazardous waste according to EPA's Resource Conservation and Control ACT (RCRA) when disposed. Under RCRA (40 CFR 261.31-33) hazardous wastes are those determined by EPA to be hazardous including those classified as hazardous and if products exhibit one of the four characteristics (defined in 40 CFR Part 261.21-24). Hazardous wastes are divided into listed wastes, characteristic wastes, universal wastes, and mixed wastes. Specific procedures determine how waste is identified, classified, listed, and delisted. RCRA mandates strict controls over disposal of hazardous waste. These listed wastes are divided into three categories: K-list, F-list, and the P and U-Lists. Characteristic wastes include wastes that exhibit ignitability, corrosivity, reactivity or toxicity. Universal wastes include batteries, pesticides, mercury-containing products and lamps. Examples include computer equipment, lead-containing products, and applicable cleaning chemicals.

- GDD Definition- Indication that the product is classified, on its own or when aggregated, as non-hazardous waste according to EPA's Resource Conservation and Control ACT (RCRA) when disposed. Under RCRA (40 CFR 261.31-33) hazardous wastes are those determined by EPA to be hazardous including those classified as hazardous and if products exhibit one of the four characteristics (defined in 40 CFR Part 261.21-24). Hazardous wastes are divided into listed wastes, characteristic wastes, universal wastes, and mixed wastes. Specific procedures determine how waste is identified, classified, listed, and delisted. RCRA mandates strict controls over disposal of hazardous waste. These listed wastes are divided into three categories: K-list, F-list, and the P and U-Lists. Characteristic wastes include wastes that exhibit ignitability, corrosivity, reactivity or toxicity. Universal wastes include batteries, pesticides, mercury-

containing products and lamps. Examples include computer equipment, lead-containing products, and applicable cleaning chemicals.

2.233 Safety Data Sheet (12 of 18) - lowerExplosiveLimit

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute lowerExplosiveLimit.

2.233.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- lowerExplosiveLimit
- Data Type- decimal
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The low end value expressed as a percent by volume that the mixture is still flammable.
- GDD Definition- The low end value expressed as a percent by volume that the mixture is still flammable.

2.233.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.234 Safety Data Sheet (13 of 18) - physicalFormDescription

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute physicalFormDescription.

2.234.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- physicalFormDescription
- Data Type- Description1000
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- A description of the form of the product for example gas, liquid, powder. Colorless, Fragrant, Liquid in relation to any hazardous materials.
- GDD Definition- A description of the form of the product for example gas, liquid, powder. Colorless, Fragrant, Liquid in relation to any hazardous materials.

2.234.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.235 Safety Data Sheet (14 of 18) - sDSSheetNumber

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue

- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute sDSSheetNumber.

2.235.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- sDSSheetNumber
- Data Type- string (Text 1-200 Characters)
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The number assigned by the Manufacturer to the Safety Data Sheet (SDS) for the item. This is not relevant for all items, and will only be provided where relevant.
- GDD Definition- Manufacturer's identification number for the safety data sheet for a Trade Item.

2.235.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value assigned by the Manufacturer, at their discretion, to provide an identification for the item's Safety Data Sheet (SDS). This number is unique for the Manufacturer and is not applicable for similar items made by a different Manufacturer.

2.236 Safety Data Sheet (15 of 18) - sDSStandardCode

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute sDSStandardCode.

2.236.1 Basic Information

■ GDSN Module- SafetyDataSheetModule

■ GDSN Content- Attribute

■ GDD Attribute Name- sDSStandardCode

■ Data Type- Code

■ GDSN Required- Optional

■ Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

■ Foodservice Common Definition- The Safety Data Sheet (SDS) Standard.

■ GDD Definition- A code describing the standard used to create the MSDS that is pointed to in the SDS URL.

2.236.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code which signifies the standard used for the Safety Data Sheet (SDS) for the item.

2.236.3 Code List

See the SDSStandardCode List for the codes that may be used for this attribute.

2.237 Safety Data Sheet (16 of 18) - sDSStandardVersion

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

■ chemicalIngredientConcentrationLowerValue

■ chemicalIngredientConcentrationMeasurementPrecision

■ chemicalIngredientConcentrationUpperValue

■ chemicalIngredientOrganisation

■ firstAidProceduresDescription

■ flashPointDescriptor

■ flashPointTemperature

■ flashPointTemperatureLowerValue

■ flashPointTemperatureMeasurementPrecision

■ flashPointTemperatureUpperValue

■ isProductClassifiedAsNonHazardous

■ lowerExplosiveLimit

■ physicalFormDescription

■ sDSSheetNumber

■ sDSStandardCode

■ sDSStandardVersion

■ upperExplosiveLimit

■ volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute sDSStandardVersion.

2.237.1 Basic Information

■ GDSN Module- SafetyDataSheetModule

■ GDSN Content- Attribute

■ GDD Attribute Name- sDSStandardVersion

■ Data Type- string (Text 1-35 Characters)

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The version of the SDS Sheet being used.

- GDD Definition- The version of the standard used to create the MSDS that is pointed to in the SDS URL.

2.237.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a version number for the Safety Data Sheet (SDS) format in use for the item. This version number is based on the standard which is referenced in the attribute sDSStandardCode

2.238 Safety Data Sheet (17 of 18) - upperExplosiveLimit

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientConcentrationUpperValue
- chemicalIngredientOrganisation
- firstAidProceduresDescription
- flashPointDescriptor
- flashPointTemperature
- flashPointTemperatureLowerValue
- flashPointTemperatureMeasurementPrecision
- flashPointTemperatureUpperValue
- isProductClassifiedAsNonHazardous
- lowerExplosiveLimit
- physicalFormDescription
- sDSSheetNumber
- sDSStandardCode
- sDSStandardVersion
- upperExplosiveLimit
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute upperExplosiveLimit.

2.238.1 Basic Information

- GDSN Module- SafetyDataSheetModule

- GDSN Content- Attribute

- GDD Attribute Name- upperExplosiveLimit

- Data Type- decimal

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The high end value expressed as a percent by volume that the product will still explode.

- GDD Definition- The high end value expressed as a percent by volume that the product will still explode.

2.238.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.239 Safety Data Sheet (18 of 18) – volatileOrganicCompoundPercentMeasurementPrecision

This section provides guidance for a GDD attribute which is a part of a group of eighteen (18) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The eighteen attributes in this group are:

- chemicalIngredientConcentrationLowerValue
- chemicalIngredientConcentrationUpperValue
- firstAidProceduresDescription
- flashPointTemperature
- flashPointTemperatureMeasurementPrecision
- isProductClassifiedAsNonHazardous
- physicalFormDescription
- sDSStandardCode
- upperExplosiveLimit

- chemicalIngredientConcentrationMeasurementPrecision
- chemicalIngredientOrganisation
- flashPointDescriptor
- flashPointTemperatureLowerValue
- flashPointTemperatureUpperValue
- lowerExplosiveLimit
- sDSSheetNumber
- sDSStandardVersion
- volatileOrganicCompoundPercentMeasurementPrecision

This section is for the attribute volatileOrganicCompoundPercentMeasurementPrecision.

2.239.1 Basic Information

- GDSN Module- SafetyDataSheetModule
- GDSN Content- Attribute
- GDD Attribute Name- volatileOrganicCompoundPercentMeasurementPrecision
- Data Type- MeasurementPrecisionCode
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- The measurement precision used to determine the percentage of an item that is a volatile organic compound.
- GDD Definition- The measurement precision used to determine the percentage of an item that is a volatile organic compound.

2.239.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text value to name the organization which manages or provides identification of the chemicals contained in the item and referenced in the Safety Data Sheet (SDS).

2.240   Seasonal (1 of 3) - isTradeItemSeasonal

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- isTradeItemSeasonal
- seasonalAvailabilityStartDateTime
- seasonalAvailabilityEndDateTime

This section is for the attribute isTradeItemSeasonal.

2.240.1 Basic Information

- GDSN Module- MarketingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- isTradeItemSeasonal
- Data Type- NonBinaryLogicEnumeration
- GDSN Required- Optional
- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)
- Foodservice Common Definition- Indication as to whether the item is only seasonally available. This is for an item which is specific to a season such as candy for Halloween or holidays.
- GDD Definition- An indicator whether or not the Trade Item is only offered during certain parts of the year or targeted to different seasons.

2.240.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is an indication of whether an item is intended to be relevant for a particular season. A season may relate to a time of year, a picking/harvest time, a holiday, or event. This attribute need only be populated if the value is "TRUE."

2.240.3 Code List Values

See the NonBinaryLogicEnumeration Code List for the codes that may be used for this attribute.

2.241   Seasonal (2 of 3) - seasonalAvailabilityStartDateTime

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- isTradeItemSeasonal
- seasonalAvailabilityStartDateTime
- seasonalAvailabilityEndDateTime

This section is for the attribute seasonalAvailabilityStartDateTime.

2.241.1 Basic Information

- GDSN Module- MarketingInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- seasonalAvailabilityStartDateTime

- Data Type- DateTime

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The first availability date for the item which is a seasonal product.

- GDD Definition- Indicates the start date of the Trade Item's seasonal availability.

2.241.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the date upon which the item becomes available in relation to being seasonal. This value can change from year to year where the season is not a set date each the year.

The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the first seasonal availability of the Trade Item, enter zeroes for the time to signify the beginning of the day.

2.242 Seasonal (3 of 3) - seasonalAvailabilityEndDateTime

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- isTradeItemSeasonal

- seasonalAvailabilityStartDateTime

- seasonalAvailabilityEndDateTime

This section is for the attribute seasonalAvailabilityEndDateTime.

2.242.1 Basic Information

- GDSN Module- MarketingInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- seasonalAvailabilityEndDateTime

- Data Type- DateTime

- GDSN Required- Optional

- Foodservice Best Practice- Voluntary/Optional (only provided if relevant)

- Foodservice Common Definition- The last availability date for the item which is a seasonal product.

- GDD Definition- Indicates the end date of the Trade Item's seasonal availability.

2.242.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is the date upon which the item becomes no longer available in relation to being seasonal. This value can change from year to year where the season is not a set date each the year.

The format of the value to be populated is CCYY-MM-DDTHH:MM:SS. If there is no specific time for the last seasonal availability of the Trade Item, enter zeroes for the time to signify the beginning of the day.

2.243 Serving Size Text

2.243.1 Basic Information

- GDSN Module- NutritionalInfomrationModule
- GDSN Content- Attribute
- GDD Attribute Name- servingSizeDescription
- Data Type- Description70 (Free Text 1-70 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- A free text field containing the serving size text as it appears on the unit's packaging, typically found within the nutrition facts box (e.g., 16.9 fl oz (500 ml)).
- GDD Definition- A free text field specifying the serving size for which the nutrient information has been stated (e.g., per 1/3 cup (42 g)). Allows for the representation of the same value in different languages but not for multiple values.

2.243.2 Foodservice GS1 US Standards Initiative Guidance

This the serving size as listed in the NLEA panel on the package.

Many NLEA Panels have a text string for the serving size (e.g., 16.9 fluid ounces (500ml)). This attribute is the full text string from the NLEA panel. The information provided outside the parenthesis is populated in the attribute servingSize.

This value can be specified in any language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. There should only be one value per language.

2.244 Serving Suggestions

2.244.1 Basic Information

- GDSN Module- FoodAndBeveragePreparationServingModule
- GDSN Content- Attribute
- GDD Attribute Name- servingSuggestion
- Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- Free text field for serving suggestion.
- GDD Definition- Free text field for serving suggestion. Allows for the representation of the same value in different languages, but not multiple values.

2.244.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text field in which suggestions for how the item may be shared or served at the point of end consumption.

This attribute should be provided if the data source is the Brand Owner. If the data source is not the Brand Owner, this attribute is optional unless the Brand Owner has provided the attribute information to the data source for publication.

This value can be specified in any language by using the language qualifier. See the [ISO Language Code List](#) for the language codes that may be used for this attribute. This attribute can not be repeated to populate more than one value, however, the once value can be expressed in other languages. There can not be more than one value for each language specified.

2.245 Servings of the Trade Item Unit (1 of 2) - numberOfServingsPerPackage

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- numberOfServingsPerPackage
- numerOfServingsPerPackageMeasurementPrecision

This section is for the attribute numberOfServingsPerPackage.

2.245.1 Basic Information

- GDSN Module- FoodAndBeveragePreparationServingModule
- GDSN Content- Attribute
- GDD Attribute Name- numberOfServingsPerPackage
- Data Type- Decimal
- GDSN Required- Optional
- Foodservice Best Practice- Required for Food items only
- Foodservice Common Definition- The total number of recommended servings contained in the package. Can be specified at any packaging level.
- GDD Definition- The total number of servings contained in the package.

2.245.2 Foodservice GS1 US Standards Initiative Guidance

This is attribute specifies the number of servings per package as calculated by the Manufacturer. Actual values may vary based on actual usage and measures by the end user.

This value can be specified as a whole number or as a decimal. According to US Target Market Rules, the decimal can be rounded down to the nearest 0.5 increment for serving counts between 2 and 5 servings. After 5 servings, the number must be rounded down to the next whole number.

2.246 Servings of the Trade Item Unit (2 of 2) - numerOfServingsPerPackageMeasurementPrecision

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- numberOfServingsPerPackage
- numerOfServingsPerPackageMeasurementPrecision

This section is for the attribute numerOfServingsPerPackageMeasurementPrecision.

2.246.1 Basic Information

- GDSN Module- FoodAndBeveragePreparationServingModule
- GDSN Content- Attribute

- GDD Attribute Name- numberOfServingsPerPackageMeasurementPrecisionCode

- Data Type- Code

- GDSN Required- Optional

- Foodservice Best Practice- Required for Food items only

- Foodservice Common Definition- Denotes the level of accuracy of number of servings per package.

- GDD Definition- Code indicating whether the number of servings per package is exact or approximate.

2.246.2 Foodservice GS1 US Standards Initiative Guidance

This is attribute is a code value which qualifies the number of servings per package as calculated by the Manufacturer. Actual values may vary based on actual usage and measures by the end user.

2.246.3 Code List Values

See the MeasurementPrecisionCode List for the codes that may be used for this attribute.

2.247 Shelf Life (1 of 2) - minimumTradeItemLifespanFromTimeOfProduction

The following two sections describe the attributes used to provide the number of days of shelf life available to the recipient of the item when purchased from the Information Provider. These attributes are grouped for purposes of this document, and can be provided independent of each other based on the guidance below. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

- minimumTradeItemLifespanFromTimeOfProduction

- minimumTradeItemLifespanFromTimeOfArrival

To meet the Foodservice Best Practice, at least one of these two attributes should be provided. This section is for the attribute minimumTradeItemLifespanFromTimeOfProduction.

2.247.1 Basic Information

- GDSN Module- TradeItemLifespanModule

- GDSN Content- Attribute

- GDD Attribute Name- minimumTradeItemLifespanFromTimeOfProduction

- Data Type- nonNegative Integer

- GDSN Required- Optional

- Foodservice Best Practice- Required isw to provide this attribute or minimumTradeItemLifespanFromTimeOfArrival.

- Foodservice Common Definition- Indicates the number of days for the shelf life of the product from the time of production.

- GDD Definition- The period of days, guaranteed by the Manufacturer, before the expiration date of the product, based on the production.

2.247.2 Foodservice GS1 US Standards Initiative Guidance

The number of days from production until the expiration date. This number signifies the minimum number of days a recipient can expect to have on a Trade Item they receive. This date is based upon the production date. The recipient will need to be provided the production date through a transactional piece

of information (e.g., Bill of Lading (BOL), Advance Ship Notification (ASN), Commercial Invoice, etc.), or physically printing on the packaging. Where this date appears is at the Manufacturer's discretion. It is understood that not every route along which an item may be shipped will have the same transit time. To account for this, this number is a minimum, not an exact number or a maximum.

This attribute can be populated with a value specific to a recipient if needed. This is called Trading Partner Dependent (TPD) or Relationship Dependent. While it is not required to specify a different value for each recipient, a selling relationship might find benefit in this approach. To accomplish this, a GLN or set of GLNs is provided against a specific value. When the GDSN Message is sent to those GLNs, the specified value is sent. If a value for this attribute is provided without a specific GLN, the value is considered to be Trading Partner Neutral (TPN) and all subscribers will receive that value.

It is possible to provide both a TPN and a TPD value. Those GLNs specified with TPD values will get the applicable value for them. All other GLNs will get the TPN value. If no TPN values are provided but TPD values are, the GLNs which are not in the TPD list will not be sent a value for this attribute.

2.248 Shelf Life (2 of 2) - minimumTradeItemLifespanFromTimeOfArrival

The following two sections describe the attributes used to provide the number of days of shelf life available to the recipient of the item when purchased from the Information Provider. These attributes are grouped for purposes of this document, and can be provided independent of each other based on the guidance below. This table displays all of the attributes in this group. It is recommended to review all the attributes in the group for the best guidance. The two attributes in this group are:

■ minimumTradeItemLifespanFromTimeOfProduction

■ minimumTradeItemLifespanFromTimeOfArrival

To meet the Foodservice Best Practice, at least one of these two attributes should be provided. This section is for the attribute minimumTradeItemLifespanFromTimeOfArrival.

2.248.1 Basic Information

■ GDSN Module- TradeItemLifespanModule

■ GDSN Content- Attribute

■ GDD Attribute Name- minimumTradeItemLifespanFromTimeOfArrival

■ Data Type- nonNegative Integer (4 digits)

■ GDSN Required- Optional

■ Foodservice Best Practice- Required is to provide this attribute or minimumTradeItemLifespanFromTimeOfProduction.

■ Foodservice Common Definition- Indicates the number of days for the shelf life of the product from the time of arrival at the recipient.

■ GDD Definition- The period of days, guaranteed by the Manufacturer, before the expiration date of the Trade Item, based on arrival to a mutually agreed to point in the buyers distribution system. Can be repeatable upon use of GLN.

2.248.2 Foodservice GS1 US Standards Initiative Guidance

The number of days from arrival at the recipient until the expiration date. This number signifies the minimum number of days a recipient can expect to have on a Trade Item they receive. This date is based upon the date of receipt. It is understood that not every route along which an item may be shipped will have the same transit time. To account for this, this number is a minimum, not an exact number or a maximum.

This attribute can be populated with a value specific to a recipient if needed. This is call Trading Partner Dependent (TPD) or Relationship Dependent. While it is not required to specify a different value for each recipient, a selling relationship might find benefit in this approach. To accomplish this, a GLN or set of GLNs is provided against a specific value. When the GDSN Message is sent to those GLNs, the specified value is sent. If a value for this attribute is provided without a specific GLN, the value is considered to be Trading Partner Neutral (TPN) and all subscribers will receive that value.

It is possible to provide both a TPN and a TPD value. Those GLNs specified with TPD values will get the applicable value for them. All other GLNs will get the TPN value. If no TPN values are provided but TPD values are, the GLNs which are not in the TPD list will not be sent a value for this attribute.

2.249 Storage & Usage (1 of 2) - consumerUsageInstructions

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- consumerUsageInstructions
- consumerStorageInstructions

This section is for the attribute consumerUsageInstructions.

2.249.1 Basic Information

- GDSN Module- ConsumerInstructionsModule
- GDSN Content- Attribute
- GDD Attribute Name- consumerUsageInstructions
- Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- Expresses in text the usage instructions of a product.
- GDD Definition- Expresses in text the consumer usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to how the consumer is to use the product, This does not include storage, food preparations, and drug dosage and preparation instructions. Allows for the representation of the same value in different languages.

2.249.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text string which can be used to describe usage instructions for the end user (e.g., *Take with water*; *Do not use with alcoholic beverages*; etc.).

This value can be specified in any language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. This attribute can be repeated to populate multiple values. There can be more than one value for each language specified.

2.250 Storage & Usage (2 of 2) - consumerStorageInstructions

This section provides guidance for a GDD attribute which is a part of a group of two (2) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The two attributes in this group are:

- consumerUsageInstructions
- consumerStorageInstructions

This section is for the attribute consumerStorageInstructions.

2.250.1 Basic Information

- GDSN Module- ConsumerInstructionsModule
- GDSN Content- Attribute
- GDD Attribute Name- consumerStorageInstructions
- Data Type- Description1000 (Free Text 1-1000 Characters) (Language Qualified)
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- Expresses in text the storage instructions of a product.
- GDD Definition- Expresses in text the consumer storage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a suggested storage temperature, a specific storage requirement. Allows for the representation of the same value in different languages.

2.250.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a text string which can be used to describe storage instructions for the end user (e.g., *Store in a cool dry place*; *Keep covered when not in use*; etc.).

This value can be specified in any language by using the language qualifier. See the ISO Language Code List for the language codes that may be used for this attribute. This attribute can be repeated to populate multiple values. There can be more than one value for each language specified.

2.251 Storage Temperature Min & Max with UoM (1 of 3) – temperatureQualifierCode

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- temperatureQualifierCode
- minimumTemperature
- maximumTemperature

This section is for the attribute temperatureQualifierCode.

2.251.1 Basic Information

- GDSN Module- TradeItemTemperatureInformationModule
- GDSN Content- Attribute
- GDD Attribute Name- temperatureQualifierCode
- Data Type- Code
- GDSN Required- Optional
- Foodservice Best Practice- Required
- Foodservice Common Definition- A qualifier to denote the type of temperature to be described.
- GDD Definition- Code qualifying the type of a temperature requirement (e.g., Storage).

2.251.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code which qualifies the temperature range being provided (e.g., STORAGE_HANDLING; TRANSPORTATION; etc.).   This attribute is provided with the attribute minimumTemperature and maximumTemperature as is applicable using the range rules. The group can be repeated for as many different temperature qualifier codes as are applicable. When populating data where there is a Minimum and Maximum set of values, these attributes should be populated with the lower limit in the minimum and the upper limit in the maximum. However, not all situations have a range for the information being requested.

The table below gives guidance as best practice on how to populate:

Information Type Available	Populated In	Value
Range of Lowest to Highest	Minimum Values Field	Lowest Value
	Maximum Values Field	Highest Value
Less Than a Value	Minimum Values Field	Leave Null
	Maximum Values Field	Highest Value
Greater Than a Value	Minimum Values Field	Lowest Value
	Maximum Values Field	Leave Null
Single or Recommended Value	Minimum Values Field	Single Value populated in both fields
	Maximum Values Field	

2.251.3 Code List Values

See the [TemperatureQualifierCode List](#) for the codes that may be used for this attribute.

2.251.4 Examples

A Trade Item has a storage temperature range of -5 F to 36 F. Since there is a range, both Minimum and Maximum values would be populated and would be different.

Attribute	Value	UOM
maximumTemperature	36	F
minimumTemperature	-5	F

A Trade Item has an individual unit size of no more than 5 oz. Since the value is a less than value, only Maximum value would be populated.

Attribute	Value	UOM
individualUnitMaximum	5	oz
individualUnitMinimum		

A Trade Item has an order quantity of no less than 12. Since the value is a greater than value, only Minimum value would be populated.

Attribute	Value
orderQuantityMaximum	
orderQuantityMinimum	12

A Trade Item has a recommended deliver to distribution centre temperature of 25 F. Since there is no range, both Minimum and Maximum values would be populated and would be the same.

Attribute	Value	UOM
maximumTemperature	25	F
minimumTemperature	25	F

2.252 Storage Temperature Min & Max with UoM (2 of 3) - minimumTemperature

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

■ temperatureQualifierCode

■ minimumTemperature

■ maximumTemperature

This section is for the attribute minimumTemperature.

2.252.1 Basic Information

■ GDSN Module- TradeItemTemperatureInformationModule

■ GDSN Content- Attribute

■ GDD Attribute Name- minimumTemperature

■ Data Type- TemperatureMeasurement (with UoM)

■ GDSN Required- Optional

■ Foodservice Best Practice- Required

■ Foodservice Common Definition- The lowest temperature for the temperature qualifier code for the Trade Item. See the population guidance for how to populate range values.

■ GDD Definition- The minimum temperature that a Trade Item can be held below defined by the Manufacturer without affecting product safety or quality.

2.252.2 Foodservice GS1 US Standards Initiative Guidance

The value is a number and an applicable Unit of Measure code from the UoM Code List for Temperature.

This attribute is populated with the minimum or coldest temperature for a GTIN for the specified temperatureQualifierCode. For example, if you have a product that should be kept between -10 degrees F and 0 degrees F, the temperature Minimum would be -10 degrees F.

This attribute is provided with the attributes temperatureQualifierCode and maximumTemperature as is applicable using the range rules. The group can be repeated for as many different temperature qualifier codes as are applicable.

When populating data where there is a Minimum and Maximum set of values, these attributes should be populated with the lower limit in the minimum and the upper limit in the maximum. However, not all situations have a range for the information being requested. The table below gives guidance as best practice on how to populate.

Information Type Available	Populated In	Value
Range of Lowest to Highest	Minimum Values Field	Lowest Value
	Maximum Values Field	Highest Value
Less Than a Value	Minimum Values Field	Leave Null
	Maximum Values Field	Highest Value
Greater Than a Value	Minimum Values Field	Lowest Value
	Maximum Values Field	Leave Null
Single or Recommended Value	Minimum Values Field	Single Value populated in both fields
	Maximum Values Field	

2.252.3 Examples

A Trade Item has a storage temperature range of -5 F to 36 F. Since there is a range, both Minimum and Maximum values would be populated and would be different.

Attribute	Value	UOM
maximumTemperature	36	F
minimumTemperature	-5	F

A Trade Item has an individual unit size of no more than 5 oz. Since the value is a less than value, only Maximum value would be populated.

Attribute	Value	UOM
individualUnitMaximum	5	oz
individualUnitMinimum		

A Trade Item has an order quantity of no less than 12. Since the value is a greater than value, only Minimum value would be populated.

Attribute	Value
orderQuantityMaximum	
orderQuantityMinimum	12

A Trade Item has a recommended deliver to distribution centre temperature of 25 F. Since there is no range, both Minimum and Maximum values would be populated and would be the same.

Attribute	Value	UOM
maximumTemperature	25	F
minimumTemperature	25	F

2.253 Storage Temperature Min and Max with UoM (3 of 3) – maximumTemperature

This section provides guidance for a GDD attribute which is a part of a group of three (3) attributes. This table displays all of the attributes in this group. It is recommended to review all of the attributes in the group for the best guidance. The three attributes in this group are:

- temperatureQualifierCode

- minimumTemperature

- maximumTemperature

This section is for the attribute maximumTemperature.

2.253.1 Basic Information

- GDSN Module- TradeItemTemperatureInformationModule

- GDSN Content- Attribute

- GDD Attribute Name- maximumTemperature

- Data Type- TemperatureMeasurement (with UoM)

- GDSN Required- Optional

- Foodservice Best Practice- Required

- Foodservice Common Definition-

- The highest temperature for the temperature qualifier code for the Trade Item. See the population guidance for how to populate range values.

- GDD Definition-

- The maximum temperature that a Trade Item can be held below defined by the Manufacturer without affecting product safety or quality.

2.253.2 Foodservice GS1 US Standards Initiative Guidance

The value is a number and an applicable Unit of Measure code from the UoM Code List for Temperature.

This attribute is populated with the maximum or hottest temperature for a GTIN for the specified temperatureQualifierCode. For example, if you have a product that should be kept between -1 degrees F and 10 degrees F, the temperature Maximum would be 10 degrees F.

This attribute is provided with the attributes temperatureQualifierCode and minimumTemperature as is applicable using the range rules. The group can be repeated for as many different temperature qualifier codes as are applicable.

When populating data where there is a Minimum and Maximum set of values, these attributes should be populated with the lower limit in the minimum and the upper limit in the maximum. However, not all situations have a range for the information being requested. The table below gives guidance as best practice on how to populate.

Information Type Available	Populated In	Value
Range of Lowest to Highest	Minimum Values Field	Lowest Value
	Maximum Values Field	Highest Value
Less Than a Value	Minimum Values Field	Leave Null
	Maximum Values Field	Highest Value
Greater Than a Value	Minimum Values Field	Lowest Value
	Maximum Values Field	Leave Null
Single or Recommended Value	Minimum Values Field	Single Value populated in both fields
	Maximum Values Field	

2.253.3 Examples

A Trade Item has a storage temperature range of -5 F to 36 F. Since there is a range, both Minimum and Maximum values would be populated and would be different.

Attribute	Value	UOM
maximumTemperature	36	F
minimumTemperature	-5	F

A Trade Item has an individual unit size of no more than 5 oz. Since the value is a less than value, only Maximum value would be populated.

Attribute	Value	UOM
individualUnitMaximum	5	oz
individualUnitMinimum		

A Trade Item has an order quantity of no less than 12. Since the value is a greater than value, only Minimum value would be populated.

Attribute	Value
orderQuantityMaximum	
orderQuantityMinimum	12

A Trade Item has a recommended deliver to distribution centre temperature of 25 F. Since there is no range, both Minimum and Maximum values would be populated and would be the same.

Attribute	Value	UOM
maximumTemperature	25	F
minimumTemperature	25	F

2.254 Target Market

2.254.1 Basic Information

- GDSN Module- CatalogueItemRefernce
- GDSN Content- Attribute
- GDD Attribute Name- targetMarketCountryCode
- Data Type- Code
- GDSN Required- GDSN Mandatory
- Foodservice Best Practice- GDSN Mandatory
- Foodservice Common Definition- The country in which the item is intended to be sold. In GDSN, the list of the geographical regions or countries is defined by the ISO-3166-1 code system. The value used is the 3-digit numerical code. For example, the Target Market country code for the United States is 840.
- GDD Definition- The code that identifies the target market. The target market is at country level or higher geographical definition and is where a trade-item is intended to be sold.

2.254.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value from the ISO 3166 code list to specify the Country in which the information in the GDSN message for the item is applicable. This is the market in which the item is set for sale.

GDSN Messages use the ISO 3166 3-digit numeric code. For Target Market US or USA, the value used in GDSN is 840. NOTE: Many data pools may present the 3-digit numeric country code as the 2-digit alphabetic code to aid usability (e.g., Canada 3-digit numeric code is "124", but the data pool may present it as CA). Therefore, the user may not actually see the 3-digit numeric codes.

An item may be sold in multiple target markets. How this information is populated may vary by the different data pool tools available. But in the GDSN, a new record will exist for each target market for a specific GTIN. When using databases, a key represents a value or set of values which are unique to a record and if any part of that key is changed, a new record is created. The GDSN Message Key is a combination of GTIN, Information Provider, and Target Market. If any one of these three pieces of information is changed, there is a different GDSN message or record. This allows for some values to be different across target markets, for examples measurements in the US are in imperial standard (ounces, inches, fluid ounces etc.) but in Canada they are in metric standard (grams, centimeters, liters, etc.).

2.254.3 Code List Values

The code list used for targetMarketCountryCode is the ISO 3166-1 3-digit numeric code list. See the ISO Country Code List for the codes that may be used for this attribute.

2.255 Total Quantity of Next Lower Level

2.255.1 Basic Information

- GDSN Module- CoreItem
- GDSN Content- Attribute
- GDD Attribute Name- totalQuantityOfNextLowerLevelTradeItem
- Data Type- nonNegative Integer
- GDSN Required- GDSN Dependent
- Foodservice Best Practice- GDSN Dependent

- Foodservice Common Definition- This is the actual quantity of the child items contained in this item (e.g., If the GTIN is for a Pack, this field contains the number of eaches in the pack; If the GTIN is for a Case, this field contains the number of Packs in the Case; etc.). Conditional with quantityOfChildren.

- GDD Definition- This represents the total quantity of next lower level Trade Items that this Trade Item contains.

2.255.2 Foodservice GS1 US Standards Initiative Guidance

This attribute specifies the total quantity of units which is contained in the item. If there are multiple child GTINs, this is the sum of children quantities for the next lower level values. This attribute is populated for GTINs where the attribute isTradeItemABaseUnit is populated with a value of FALSE.

- Where there is **only one** GTIN at the next level of the hierarchy (one Child GTIN), then the values populated in the attributes totalQuantityOfNextLowerLevelTradeItem and quantityOfNextLowerLevelTradeItem **WILL** be equal.

- Where there is **more than one** GTIN at the next level of the hierarchy (more than one Child GTIN), then the values populated in the attributes totalQuantityOfNextLowerLevelTradeItem and quantityOfNextLowerLevelTradeItem **WILL NOT** be equal.

EXAMPLE 1: If a case contains four bottles of one flavor of a sauce, this value is 4.

Attribute Name	Bottle of Bar-B-Q sauce (EACH)	Case of 4 bottles of Bar-B-Q sauce (CASE)
GTIN	06141417777773	16141417777770
totalQuantityOfNextLowerLevelTradeItem	N/A	4
quantityOfChildren	N/A	1
childGITN	N/A	06141417777773
quantityOfNextLowerLevelTradeItem	N/A	4

EXAMPLE 2: If a case contains six bags of two types of brown sugar (12 total bags), this value is 6.

Attribute Name	Bag of Light Brown Sugar (EACH)	Bag of Dark Brown Sugar (EACH)	Case of 6 bags of Light Brown Sugar & 6 bags of Dark Brown Sugar (CASE)
GTIN	06141413333331	06141414444449	06141415555557
totalQuantityOfNextLowerLevelTradeItem	N/A	N/A	12
quantityOfChildren	N/A	N/A	2
childGTiN	N/A	N/A	06141413333331
quantityOfNextLowerLevelTradeItem	N/A	N/A	6
childGTiN	N/A	N/A	06141414444449
quantityOfNextLowerLevelTradeItem	N/A	N/A	6

2.256 Unit Descriptor

2.256.1 Basic Information

- GDSN Module- CoreItem

- GDSN Content- Attribute

- GDD Attribute Name- tradeItemUnitDescriptorCode

- Data Type- Code

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- The attribute tradeItemUnitDescriptor is used to describe the GTIN packaging level (i.e., does the GTIN refer to an each, inner pack, case, or a pallet?). Choose from the code list provided.

- GDD Definition- Describes the hierarchical level of the Trade Item. TradeItemUnitIndicator is mandatory. Examples: CASE, PALLET, etc.

2.256.2 Foodservice GS1 US Standards Initiative Guidance

This attribute is a code value which denotes the packaging hierarchy level assigned to the GTIN. Hierarchy is used to establish a link between different levels of a product logistical chain. Another term for item hierarchy is item containment.

Item containment provides a method of identifying the contents of a GTIN that is a packaging hierarchy rather than a consumer unit. This can occur multiple times depending upon the number of levels in the hierarchy.

All components of each potential level of packaging must already be defined in order to be used in Item Containment. Each level in the item hierarchy must be identified with a GTIN and a Trade Item unit descriptor to be sent in GDSN.

The table below provides a key for trade item unit descriptors, including:

- **Trade Item Unit Descriptors -** code list name and a commonly used abbreviations of Trade Item Unit Descriptors.

- **Description of the Trade Item Unit Descriptor**

- **Parents -** provides guidance of the Trade Item unit descriptors that can be a parent of a lower level GTIN when the item hierarchy (link) is created.

- **Parent Instances –** Indicates if a GTIN could have one or more than one parent GTIN.

- **Children –** provides guidance of the Trade Item unit descriptor that can be a child of a higher level GTIN when the item hierarchy (link) is created.

- **Children Instances –** indicates if the GTIN contains a single instance of a GTIN or several unique GTINs.

tradeItemUnitDescriptor	Description	Parents	Parent Instance	Children	Children Instance
TRANSPORT_LOAD (TL)	The Trade Item above the pallet level used for transporting Trade Items. This level can be used to define truckloads, shipping containers, rail cars, ships, etc. This level can contain a single GTIN or multiple GTINs.	TL, None	Single	TL, PL, MX, CA, DS, PK, EA	Single/ Multiple
PALLET (PL)	A unit load that is not "display ready" and contains a single GTIN or multiple GTINs. Includes box pallet.	TL, PL, None	Single	PL, MX, CA, DS, PK, EA	Single/ Multiple
MIXED_MODULE (MX)	A unit load that contains "display ready pallet" that may contain a single GTIN or several unique GTINs that is intended to go directly to the selling floor.	TL, PL, MX, None	Single	PL, MX, CA, DS, PK, EA	Single/ Multiple
CASE (CS)	A standard Trade Item shipping unit. Includes a ½ or ¼ pallet and a ½ or ¼ box pallet.	TL, PL, MX, CA, DS, None	Single	CA, DS, PK, EA	Single/ Multiple
DISPLAY_SHIPPER (DS)	A shipping unit that is a display which can contain a single instance of a GTIN or more than one unique instance of a GTIN.	TL, PL, MX, CA, DS, None	Single	DS, CA, PK, EA	Single/ Multiple
PACK_OR_INNER_PACK (PK)	May be a logistical unit between a case and an each, may or may not be barcoded. This level can contain a single GTIN or multiple GTINs.	TL, PL, MX, CA, DS, PK, None	Single	PK, EA	Single/ Multiple
BASE_UNIT_OR_EACH (EA)	The lowest level of the item hierarchy intended or labelled for individual resale.	TL, PL, MX, CA, DS, PK, None	Single	NONE	NONE

2.256.3 Code List Values

See the TradeItemUnitDescriptorCode List for the codes that may be used for this attribute.

2.257 Width with UoM

2.257.1 Basic Information

- GDSN Module- TradeItemMeasurementsModule

- GDSN Content- Attribute

- GDD Attribute Name- width

- Data Type- Measurement (Number & UoM) (Round up to 3 Decimals)

- GDSN Required- GDSN Mandatory

- Foodservice Best Practice- GDSN Mandatory

- Foodservice Common Definition- The measurement from left to right of the Trade Item. Follow the measurement rules identified in the GDSN Package Measurement Rules.

- GDD Definition- The width of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

2.257.2 Foodservice GS1 US Standards Initiative Guidance

The dimensions values are based on the GS1 Package Measurement Rules. These Rules may differ from the dimensions currently stored in the Trading Partners systems and the Rules should be reviewed. It is common to confuse the measurements of Length, Width, and Height with Width, Depth and Height. http://www.gs1us.org/dataquality

The value is a number and an applicable Unit of Measure code from the Unit of Measure Code List.

Dimensions should be provided using the measurement system applicable for the Target Market (e.g., in the U.S., the system of use is Imperial as opposed to Metric). This allows for this attribute to be different in different Target Markets. While the values are different, they should be just a conversion from one system to the other and not completely different values.

The value provided is at the Manufacturer's discretion. Should a recipient need the measurement in a different measurement system or unit, the recipient will need to effect the conversion.

3   Code Lists

This section presents the codes lists for the <u>attributes</u> listed in this document.

3.1   AdditionalTradeItemIdentificationTypeCode List

List Name	AdditionalTradeItemIdentificationTypeCode
Attribute(s)	Manufacturer Product Number (1 of 2) – additionalTradeItemIdentificationTypeCode

Code Value	Value Name	Definition & Notes
SUPPLIER_ASSIGNED	Supplier Assigned	**Supplier Item Number/ Manufacturer Part Number** The additional Trade Item Identification value populated has been developed and assigned by the party which provides service(s), and/or manufactures or otherwise has possession of the goods and consigns or makes them available in trade. This number is a base model or style number assigned to the product and may be the same for several GTINs where they are variations of each other (e.g., a coffee mug with 3 different GTINs for the brown mug, the white mug, and the black mug might all be the supplier assigned number of AB123). Use of this value is recommended in the absence of a Model Number or Manufacturer's Part Number.
GTIN_12	GTIN 12	**Former GDSN Attribute code "EANUCC/code- UP"** The 12-digit GS1 Identification Key composed of a U.P.C. Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_14	GTIN 14	**Former GDSN Attribute code "EANUCC/code- UK"** The 14-digit GS1 Identification Key composed of an Indicator digit (1-9), GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_8	GTIN 8	**Former GDSN Attribute code "EANUCC/code- EO"** The 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_13	GTIN 13	**Former GDSN Attribute code "EANUCC/code- EN"** The 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
FDA_NDC_10	FDA NDC 10	**For Pharmaceuticals** The National Drug Code of the United States of America is a unique 10-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
FDA_NDC_11	FDA NDC 11	**For Pharmaceuticals** The National Drug Code of the United States of America is a unique 11-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
BUYER_ASSIGNED	Buyer Assigned	A proprietary internal identification number assigned by a data recipient, used to identify trade items purchased from each trading partner with whom they engage in a commercial relationship.

Code Value	Value Name	Definition & Notes
DISTRIBUTOR_ASSIGNED	Distributor Assigned	The additional Trade Item Identification value populated has been developed and assigned by an entity which purchases and takes title to goods which are then resold / redistributed elsewhere.
INDUSTRY_ASSIGNED	Industry Assigned	A unique proprietary identification number assigned by an industry sector association or other organization, used to identify each member company participating in the organization. Typically this association or organization provides the industry sector with a service for which this identification number is a key identifier.
MANUFACTURER_PART_NUMBER	Manufacturer part number	An identifier of a part used for an item. While the name implies that the number is assigned by the manufacturer, the part may be built by one manufacturer to apply to another manufacturer's item. In this case, this number is the applicable part number from the item's manufacturer. The part manufacturer numbers would be found with the type of MODEL_NUMBER, SUPPLIER_ASSIGNED, or DISTRIBUTOR_ASSIGNED. For example: a 1957 car manufactured by Chevrolet has a part number AB123 which is the driver's door handle. A secondary manufacturer produces an equivalent or Original Equipment Manufacturer (OEM) part with their number of 57-123CHEV. This value would be the AB123 to signify that it is that equivalent.
MODEL_NUMBER	Model Number	An identification number which defines the configuration of the product in addition to the Item Number. This is typically printed or otherwise attached to an item. In electronics, this number is typically found around or near a serial number.
PLU	Price Look Up	A number used to indicate a price look up for an existing random weight item. This is only used for items that have been assigned an industry PLU or proprietary PLU and that are utilized through a weighing system through the scales at the back or front registers.
AU_PROSTHESES_REBATE_CODE	Australian Prostheses Rebate Code	*Not used in Foodservice GDSN* In Australia, the federal government, through the Department of Health and Aging, provides a rebate to private health hospitals or clinics to cover the cost of any prostheses that are fitted to a patient. This rebate is designed to cover the costs incurred by the provider. Every product is given a 'billing code' from the Department of Health and Aging. This is used by the provider to communicate the rebate request to the government.
ARTG_ID	Australian Register of Therapeutic Goods	*Not used in Foodservice GDSN* The Australian Therapeutic Goods Administration (TGA) is a government organization responsible for the regulation of therapeutic goods such as medicines and medical devices. Once a product is accepted for sale in Australia (via TGA approval), this item is listed on the Australian Register of Therapeutic Goods (ARTG). All goods within Australia, or to be exported from Australia, must be present on this list before they can be available. Information held in the database includes the name of the product, what it contains and manufacturer details.
DIN	Drug Identification Number	*Not used in Foodservice GDSN* The Drug Identification Number: The number located on the label of prescription and over-the counter drug products that have been evaluated by the Therapeutic Products Directorate (TPD) and approved for sale in Canada.

Code Value	Value Name	Definition & Notes
DIN_HM	Drug Identification Number – Homeopathic	***Not used in Foodservice GDSN*** Drug Identification Number – Homeopathic: This is the number located on the label of homeopathic drug products that have been approved for sale in Canada.
EPD	Electronisk Produkt Database Identifier	***Not used in Foodservice GDSN*** Electronisk Produkt Database Identifier
HIBC	Health Industry Business Communication Barcode	***Not used in Foodservice GDSN*** Health Industry Business Communication Barcode: An alphanumeric identification number used as a common identifier within the healthcare industry across different locations. In the Netherlands, this code is managed by the European Health Industry Business Communications Council.
INVIMA	INVIMA	***Not used in Foodservice GDSN*** National Institute of Surveillance of Medications and Foods for Colombia. This organization has developed a unique code of medications (CUM).
ISBN_NUMBER	International Standard Book Number	***Not used in Foodservice GDSN*** International Standard Book Number: A unique numeric commercial book identifier.
ISSN_NUMBER	International Standard Serial Number	***Not used in Foodservice GDSN*** International Standard Serial Number: unique eight-digit number used to identify a print or electronic periodical publication.
LOTTERY_GAME_NUMBER	Lottery Game Number	***Not used in Foodservice GDSN*** Unknown
LOTTERY_PACK_BOOK_NUMBER	Lottery pack book number	***Not used in Foodservice GDSN*** A unique identifier for a book of shrink-wrapped lottery game tickets.
MDL	Medical Device License	***Not used in Foodservice GDSN*** The Canadian Medical Device License (MDL) is required for companies which sell Class II, III, and IV medical devices in Canada. The MDL is a product approval and should not be confused with the MDEL which is a permit for the company/distributor itself.
NABCA_PRODUCT_CODE	NABCA product code	***Not used in Foodservice GDSN*** A product code issued by the National Alcohol Beverage Control Association in the United States.
NAN	Nordic Article Number	***Not used in Foodservice GDSN*** Nordic Article Number is a 6 digit identification number needed on all human and veterinary pharmaceuticals licensed in Sweden. The number is unique for a certain packages. A NAN can be valid in one to five Nordic countries (Sweden, Denmark, Norway, Finland and Iceland) depending on if the package fulfils some basic criteria.
NPN	Natural Health Product Number	***Not used in Foodservice GDSN*** The Natural Health Product Number: Identifies the trade item as a natural health product and the number is assigned by a regulatory health organization for example the Health Canada - Natural Health Products Directorate (Health Canada).

Code Value	Value Name	Definition & Notes
NSN	National Stock Number	**Not used in Foodservice GDSN** National Stock Number is a 13-digit number that the federal government assigns, for purposes of identification and inventory control, to every piece of supply, equipment and material that it uses and buys. In a typical NSN, the first four numbers are the Federal Supply Code (FSC), which places the item in a specific category. The second two numbers identify the item. The next two numbers identify the country that buys the item (00 or 01 is the code for the U.S.). The remaining numbers of the NSN are referred to as the National Item Identification Number (NIIN) and are used to index NSN's.
NUMERO_RDN	RDN	**Not used in Foodservice GDSN** An identification number assigned by the Italian Ministry of Health to medical devices treated by the national health system.
RVG	Register Verpakte Geneesmiddelen	**Not used in Foodservice GDSN** Register Verpakte Geneesmiddelen: An identification number provided by the Institute for Drug Evaluation (College ter Beoordeling van Geneesmiddelen – CBG) in the Netherlands. This number is used as the main identification for all drugs that have been approved by the CBG for distribution within the Netherlands.
RVH	Register Verpakte Homeopatische Geneesmiddelen	**Not used in Foodservice GDSN** Register Verpakte Homeopatische Geneesmiddelen: An identification number provided by the Institute for Drug Evaluation (College ter Beoordeling van Geneesmiddelen – CBG) in the Netherlands. This number is used as the main identification for all homeopathic drugs that have been approved by the CBG for distribution within the Netherlands.
SAN_4	SAN 4	**Not used in Foodservice GDSN** A nationally set standard trade item number for a variable measure trade item. The SAN-4 is a four digit number that uniquely identifies a weight trade item according to its country of origin. This short number is incorporated into the 13 digit GTIN symbol in combination with the weight, quantity or price.
Z_INDEX	Z INDEX	**Not used in Foodservice GDSN** An additional identification number used to identify all medical supplies and drugs in the Netherlands when managing reimbursements for the items. The Z-Index number is assigned to every product by Z-Index, which is a regulatory body in the Netherlands for the healthcare industry.

3.2   AllergenTypeCode List

List Name	AllergenTypeCode
Attribute	Allergens (3 of 4) -- allergenTypeCode

Code Value	Value Name	Definition & Notes
AC	Crustaceans	***FDA Big 8 Allergen*** Refers to the presence of Crustaceans and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AE	Eggs	***FDA Big 8 Allergen*** Refers to the presence of eggs and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AF	Fish	***FDA Big 8 Allergen*** Refers to the presence of Fish and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AM	Milk	***FDA Big 8 Allergen*** Refers to the presence of milk and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AN	Tree Nuts (General)	***FDA Big 8 Allergen*** Refers to the presence of tree nuts and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName. Tree nuts can include almonds, hazelnut, walnut, cashews, etc.
AP	Peanuts	***FDA Big 8 Allergen*** Refers to the presence of peanuts and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AW	Cereals (Gluten Containing)	***FDA Big 8 Allergen*** Refers to the presence of cereals containing gluten and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AX	Gluten (Other)	***FDA Big 8 Allergen*** Refers to the presence of other gluten-containing grains and gluten-containing grain products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AY	Soybeans	***FDA Big 8 Allergen*** Refers to the presence of soybeans and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GK	Kamut (Gluten Containing)	***FDA Big 8 Allergen*** Refers to the presence of kamut and kamut products (gluten-containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
ML	Lactose	***FDA Big 8 Allergen*** Refers to the presence of lactose as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SA	Almonds	***FDA Big 8 Allergen*** Refers to the presence of almonds and almond products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SC	Cashews	***FDA Big 8 Allergen*** Refers to the presence of cashews and cashew products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SH	Hazelnuts	***FDA Big 8 Allergen*** Refers to the presence of hazelnuts and hazelnut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

Code Value	Value Name	Definition & Notes
SM	Macadamia Nuts	***FDA Big 8 Allergen*** Refers to the presence of macadamia nuts and macadamia nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SP	Pecan Nuts	***FDA Big 8 Allergen*** Refers to the presence of pecan nuts and pecan nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SQ	Queensland Nuts	***FDA Big 8 Allergen*** Refers to the presence of queensland nuts and queensland nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SR	Brazil Nuts	***FDA Big 8 Allergen*** Refers to the presence of brazil nuts and brazil nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
ST	Pistachio	***FDA Big 8 Allergen*** Refers to the presence of pistachios and pistachio products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SW	Walnuts	***FDA Big 8 Allergen*** Refers to the presence of walnuts and walnut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
UM	Molluscs	***FDA Big 8 Allergen*** Refers to the presence of molluscs and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
UW	Wheat	***FDA Big 8 Allergen*** Refers to the presence of wheat and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
GB	Barley (Gluten Containing)	***FDA Big 8 Allergen*** Refers to the presence of Barley and barley products (gluten-containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GO	Oats (Gluten Containing)	***FDA Big 8 Allergen*** Refers to the presence of oats and oat products (gluten-containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GS	Spelt (Gluten Containing)	***FDA Big 8 Allergen*** Refers to the presence of spelt and spelt products (gluten-containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AS	Sesame Seeds	***Additional Allergen for Canada*** Refers to the presence of sesame seeds or their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BM	Mustard	***Additional Allergen for Canada*** Refers to the presence of mustard or its derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AA	Amylcinnamyl Alcohol	Refers to the presence of Amylcinnamyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AH	Anise Alcohol	Refers to the presence of Anise Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

Code Value	Value Name	Definition & Notes
AI	Alpha-Isomethyl Ionone	Refers to the presence of Alpha-Isomethyl Ionone as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AL	Amyl Cinnamal	Refers to the presence of Amyl Cinnamal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AU	Sulphur Dioxide (Sulphites)	Refers to the presence of Sulphur Dioxide and Sulphites in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BA	Benzyl Alcohol	Refers to the presence of Benzyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BB	Benzyl Benzoate	Refers to the presence of Benzyl Benzoate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BC	Celery	Refers to the presence of celery or its derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BE	Butylphenyl Methylpropional	Refers to the presence of 2 (4-tert-Butylbenzyl) also known as Butylphenyl Methylpropional as listed in the regulations specified in the AllergenSpecificationAgency and AllergenSpecificationName.
BF	Beef	Refers to the presence of beef and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BI	Benzyl Cinnamate	Refers to the presence of Benzyl Cinnamate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BN	Isoeugenol	Refers to the presence of Isoeugenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BO	d-Limonene	Refers to the presence of d-Limonene as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BP	Linalool	Refers to the presence of Linalool as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BQ	Methyl heptin carbonate	Refers to the presence of Methyl heptin carbonate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BS	Benzyl Salicylate	Refers to the presence of Benzyl Salicylate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CA	Cinnamyl Alcohol	Refers to the presence of Cinnamyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CL	Cinnamal	Refers to the presence of Cinnamal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CM	Chicken	Refers to the presence of chicken meat and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CN	Citronellol	Refers to the presence of Citronellol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CO	Coumarin	Refers to the presence of Coumarin as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CT	Citral	Refers to the presence of Citral as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
EG	Eugenol	Refers to the presence of Eugenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

Code Value	Value Name	Definition & Notes
EP	Oak Moss Extract	Refers to the presence of Oak moss extract (Evernia Prunastri) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
EV	Treemoss Extract	Refers to the presence of Treemoss extract (Evernia Furfuracea) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
FA	Farnesol	Refers to the presence of Farnesol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GE	Geraniol	Refers to the presence of Geraniol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GL	Glutamate	Refers to the presence of glutamate and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HC	Hydroxymethylpentylcyclohexenecarboxaldehyde	Refers to the presence of Hydroxymethylpentylcyclohexenecarboxaldehyde as listed in the regulations specified in AllergenSpecificationAgency and allergenSpecificationName.
HX	Hexyl Cinnamaldehyde	Refers to the presence of Hexyl Cinnamaldehyde as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HY	Hydroxycitronellal	Refers to the presence of Hydroxycitronellal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
MO	3 Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-on	Refers to the presence of 3 Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-on as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NC	Cocoa	Refers to the presence of cocoa and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NE	Peas	Refers to the presence of peas and pea products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NK	Coriander	Refers to the presence of coriander and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NL	Lupines	Refers to the presence of Lupine and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NM	Corn	Refers to the presence of corn and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NP	Pod Fruits	Refers to the presence of pod fruits and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NR	Rye	Refers to the presence of rye and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NW	Carrots	Refers to the presence of carrots and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PO	Pork	Refers to the presence of pork and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SB	Seeds	Refers to the presence of seed products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SX	Pulses	Refers to the presence of pulses. Pulses are an annual leguminous crop yielding from one to twelve seeds of variable size, shape, and color within a pod as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

Code Value	Value Name	Definition & Notes
UN	Shellfish	Refers to the presence of shellfish as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
X99	Does not contain declaration obligatory allergens	Does not contain declaration-obligatory allergens as listed in the regulations.

3.3   BrandDistributionTypeCode List

List Name	BrandDistributionTypeCode
Attribute(s)	Private Label Items

Code Value	Definition
PRIVATE_LABEL_DISTRIBUTIO N	A product that is produced strictly for a trading partner or a purchasing group. The brand label is owned by the recipient trading partner or purchasing group.
RESTRICTED_DISTRIBUTION	The Data Source has restrictions on where, how and/or to whom the product may be sold. The brand label is NOT owned by the trading partner recipient or purchasing group.
UNRESTRICTED_DISTRIBUTIO N	The Data Recipient has permission to sell the Trade Item as per trading partner agreement. The brand label is NOT owned by the trading partner recipient or purchasing group.

3.4   CommunicationChannelCode List

List Name	CommunicationChannelCode
Attribute(s)	For More Information (Contact Information) (9 of 13) -- communicationChannelCode For More Information (Contact Information) (12 of 13) -- communicationChannelCode (After Hours)

Code Value	Value Name	Definition
SOCIAL_MEDIA	Social Media	A social media address.
TELEPHONE	Telephone	Voice/data transmission by telephone.
WEBSITE	Website	The identification of a world wide web address.
TELEFAX	Telefax	Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.
EMAIL	Email	Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.

3.5 ContactTypeCode List

List Name	ContactTypeCode
Attribute(s)	For More Information (Contact Information) (4 of 13) -- contactTypeCode

Code Value	Value Name	Definition & Notes
HE	Emergency dangerous goods contact	***Foodservice Initiative Voluntary/Optional*** Party who is to be contacted to intervene in case of emergency.
DPP	Packaging engineer (GS1 Code)	***Foodservice Initiative Voluntary/Optional*** The contact where information in relation to the packaging for the item can be obtained.
CXC	Consumer Support (GS1 Code)	***Required*** The party which provides product support to the end user of a trade item or a service (GS1 Code)
CYC	Customer Support (GS1 Code)	***Required*** The party which provides product support to the trading partner party to which merchandise is sold. (GS1 Code)
DOG	GDS Contact (GS1 Code)	***Required*** The contact where information in relation to Data Synchronisation can be obtained.
PRC	Product Recall Contact (GS1 Code)	***Required*** Contact responsible for creating, issuing and updating the product
BO	After business hours contact	Department/person to contact after normal working hours.
AE	Contract contact	Department/person to contact for matters regarding contracts.
HG	Dangerous goods contact	Department/person to be contacted for details about the transportation of dangerous goods/hazardous material.
ED	Engineering contact	Department/person to contact for matters regarding engineering.
OC	Order contact	An individual to contact for questions regarding this order.
PRO	Product Recall Consumer Contact (GS1 Code)	Contact who is responsible for providing information related to the product recall to consumers.
PRM	Product Recall Media Relation Contact (GS1 Code)	Contact who is responsible for providing information related to the product recall to media outlets.
BVP	Production Facility (GS1 Code)	General description of the contact for the trade item for example Production Facility 3.
QC	Quality coordinator contact	Quality coordinator contact within an organization.
DNR	Recall Support (GS1 Code)	The contact where information about recalls for the item can be obtained.
SA	Sales administration	Name of the sales administration contact within a corporation.

Code Value	Value Name	Definition & Notes
SR	Sales representative or department	The sales representative or department contact within an organization.
DSU	Unspecified (GS1 Code)	Value not stated.
AD	Accounting contact	**_Not Used in Foodservice GDSN_** The contact responsible for accounting matters.
AP	Accounts payable contact	**_Not Used in Foodservice GDSN_** Department/person responsible for the accounts payable function within a corporation.
AR	Accounts receivable contact	**_Not Used in Foodservice GDSN_** Department/person responsible for the accounts receivable within a corporation.
BXA	Administrative (GS1 Code)	**_Not Used in Foodservice GDSN_** This code specifies that this contact is of the type "Administrative".
BC	Banking contact	**_Not Used in Foodservice GDSN_** Contact person for bank.
CB	Changed by	**_Not Used in Foodservice GDSN_** Person who made the change.
AM	Claims contact	**_Not Used in Foodservice GDSN_** Department/person to contact for matters regarding claims.
CKE	Cook (GS1 Code)	**_Not Used in Foodservice GDSN_** Person responsible for cooking.
CR	Customer relations	**_Not Used in Foodservice GDSN_** Individual responsible for customer relations.
DL	Delivery contact	**_Not Used in Foodservice GDSN_** Department/person responsible for delivery.
BJ	Department or person responsible for processing purchase order	**_Not Used in Foodservice GDSN_** Identification of the department or person responsible for the processing of purchase orders.
DE	Department/employee to execute export procedures	**_Not Used in Foodservice GDSN_** Department/employee which/who executes export procedures.
DI	Department/employee to execute import procedures	**_Not Used in Foodservice GDSN_** Department/employee which/who executes import procedures.
BYF	Financial (GS1 Code)	**_Not Used in Foodservice GDSN_** This code specifies that this contact is of the type "Financial".
GR	Goods receiving contact	**_Not Used in Foodservice GDSN_** Department/person responsible for receiving the goods at the place of delivery.
IC	Information contact	**_Not Used in Foodservice GDSN_** Department/person to contact for questions regarding transactions.

Code Value	Value Name	Definition & Notes
AA	Insurance contact	***Not Used in Foodservice GDSN*** Department/person to contact for matters regarding insurance.
BZL	Licensee Registrar (GS1 Code)	***Not Used in Foodservice GDSN*** The party having legal responsibility for the product in the target market. This party is responsible for licensing and regulations within the target market and can be the manufacturer, importer, sales agent or broker.
CZL	Logistics (GS1 Code)	***Not Used in Foodservice GDSN*** This code specifies that this contact is of the type "Logistics".
MGR	Manager (GS1 Code)	***Not Used in Foodservice GDSN*** Person responsible for management within a department or company.
ZZZ	Mutually Defined	***Not Used in Foodservice GDSN*** A code assigned within a code list to be used on an interim basis and as defined among trading partners until a precise code can be assigned to the code list.
NT	Notification contact	***Not Used in Foodservice GDSN*** Department/employee to be notified.
DMO	Operations (GS1 Code)	***Not Used in Foodservice GDSN*** This code specifies that this contact is of the type "Operations".
LO	Place of collection contact	***Not Used in Foodservice GDSN*** Department/employee to be contacted at the place of collection.
PM	Product management contact	***Not Used in Foodservice GDSN*** Department/person to contact for questions regarding this order.
PRR	Product Removal Contact (GS1 Code)	***Not Used in Foodservice GDSN*** Contact responsible for creating and issuing the product removal message to the product recall contact.
PD	Purchasing contact	***Not Used in Foodservice GDSN*** Department/person responsible for issuing this purchase order.
CP	Responsible person for computer data processing	***Not Used in Foodservice GDSN*** Responsible person to contact for matters regarding computer data processing.
SD	Shipping contact	***Not Used in Foodservice GDSN*** The shipping department contact within an organization.
DQT	Target Market Information Provider (GS1 Code)	***Not Used in Foodservice GDSN*** The contact information provider's business contact within the target market for the GTIN. This is a different GLN than the Information Provider of the item of record.
TD	Test contact	***Not Used in Foodservice GDSN*** Department/person responsible for testing contact.
TA	Traffic administrator	***Not Used in Foodservice GDSN*** The traffic administrator contact within an organization.

Code Value	Value Name	Definition & Notes
TR	Transport contact	***Not Used in Foodservice GDSN*** Department/person in charge of transportation.
WH	Warehouse	***Not Used in Foodservice GDSN*** The warehouse contact within an organization.

3.6 DataCarrierTypeCode List

List Name	DataCarrierTypeCode
Attribute	Barcode / Data Carrier

Code Value	Definition
EAN_13	A barcode of the EAN/UPC Symbology that encodes GTIN-13, Coupon-13, RCN-13, and VMN-13.
EAN_13_COMPOSITE	An EAN-13 symbol with an additional CC-A or CC-B Composite symbol included at the top of the EAN-13 symbol.
EAN_13_WITH_FIVE_DIGIT_ADD_ON	An EAN-13 with an additional five-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.
EAN_13_WITH_TWO_DIGIT_ADD_ON	An EAN-13 with an additional two-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.
EAN_8	A barcode of the EAN/UPC Symbology that encodes GTIN-8 or RCN-8.
EAN_8_COMPOSITE	An EAN-8 symbol with an additional CC-A or CC-B symbol included at the top of the EAN-8 symbol.
GS1_128	A subset of Code 128 that is utilized exclusively for GS1 System data structures.
GS1_128_COMPOSITE	A GS1-128 symbol with an additional CC-A, CC-B or CC-C Composite symbol included at the top of the GS1-128 symbol.
GS1_DATA_MATRIX	GS1 implementation specification for use of Data Matrix symbology.
GS1_DATABAR_EXPANDED	A barcode with a variable width (from 4 to 22 symbol characters, or a minimum of 102X wide and a maximum of 534X wide) and is 34X high (where X is the width of a module).
GS1_DATABAR_EXPANDED_COMPOSITE	A GS1 DataBar Expanded symbol with an additional CC-A or CC-B Composite symbol included at the top of theGS1 DataBar Expanded symbol.
GS1_DATABAR_EXPANDED_STACKED	A multi-row stacked version of GS1 DataBar Expanded.
GS1_DATABAR_EXPANDED_STACKED_ COMPOSITE	A GS1 DataBar Expanded Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Expanded Stacked symbol.

Code Value	Definition
GS1_DATABAR_LIMITED	A barcode designed for small items that will not need to be read by omnidirectional Point-of-Sale (POS) scanners. Its dimensions are 74X wide, starting with a 1X space and ending with a 1X bar, by 10X high (where X is the width of a module).
GS1_DATABAR_LIMITED_COMPOSITE	A GS1 DataBar Limited Symbol symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Limited symbol.
GS1_DATABAR_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Barcode that is designed to be read by an omnidirectional scanner, such as a retail slot scanner.
GS1_DATABAR_OMNIDIRECTIONAL_ COMPOSITE	A GS1 DataBar Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Omnidirectional Stacked symbol.
GS1_DATABAR_STACKED	The GS1 DataBar Stacked Barcode is a reduced height two-row version of the GS1 DataBar Omnidirectional Barcode that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_STACKED_COMPOSITE	A GS1 DataBar Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked symbol.
GS1_DATABAR_STACKED_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Barcode that is designed to be read by an omnidirectional scanner, such as a retail slot scanner.
GS1_DATABAR_STACKED_OMNIDIRECTIONAL_C OMPOSITE	A GS1 DataBar Stacked Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked Omnidirectional symbol.
GS1_DATABAR_TRUNCATED	A reduced height version of the GS1 DataBar Omnidirectional Barcode that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_TRUNCATED_COMPOSITE	A GS1 DataBar Truncated symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Truncated symbol.
GS1_QR_CODE	GS1 implementation specification for use of QR Code.
ITF_14	ITF-14 (a subset of Interleaved 2-of-5) barcodes carry GTINs only on trade items that are not expected to pass through the Point-of-Sale.
NO_BARCODE	Item packaging does not contain barcode.
UPC_A	A barcode of the EAN/UPC Symbology that encodes GTIN-12, Coupon-12, RCN-12, and VMN-12.
UPC_A_COMPOSITE	A UPC-A symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-A symbol.
UPC_A_WITH_FIVE_DIGIT_ADD_ON	A UPC-A with an additional five-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.
UPC_A_WITH_TWO_DIGIT_ADD_ON	A UPC-A Symbol with an additional two-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.
UPC_E	A barcode of the EAN/UPC Symbology representing a GTIN-12 in six explicitly encoded digits using zero-suppression techniques.

Code Value	Definition
UPC_E_COMPOSITE	A UPC-E symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-E symbol.
UPC_E_FIVE_DIGIT_ADD_ON	A UPC-E with an additional five-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.
UPC_E_WITH_TWO_DIGIT_ADD_ON	A UPC-E Symbol with an additional two-digit symbol (called an Add-On Symbol) that can be included on the item just to the right of the main barcode.

3.7   DietTypeCode List

List Name	DietTypeCode
Attribute(s)	Kosher, Organic, Vegan, Halal, Gluten Free, etc. (1 of 2) -- dietTypeCode

Code Value	Definition
COELIAC	Denotes a product that can be safely consumed by a person with coeliac disease. Coeliac disease is caused by a reaction to gladin (a gluten protein found in wheat) and similar proteins found in other crops.
DIETETIC	Denotes a product that is specially prepared or processed for people on restrictive diets.
FREE_FROM_GLUTEN	Denotes a product that can be used in a gluten free diet, as specified by the appropriate authority within a target market.
HALAL	Denotes selling or serving food ritually fit according to Islamic dietary laws.
KOSHER	Denotes selling or serving food ritually fit according to Jewish dietary laws.
ORGANIC	Denotes a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.
VEGAN	Indicates the product has been marked as vegan, and indicates that the product is free of animal products: no meat, milk, eggs, wool, leather, and so forth.
VEGETARIAN	Denotes a product that contains no meat, fish or other animal products.
WITHOUT_BEEF	Denotes a product that contains no beef or beef-products. Beef is considered to be a taboo food product by some religions most notable Hinduism, Buddhism and Jainism.
WITHOUT_PORK	Denotes a product that contains no pork meat.

3.8   DietTypeSubcode List

These are the code values managed by local GS1 Member Organizations (GS1 MOs) when populating the attribute dietTypeSubcode. This type of code list is called a Local Code List (LCL) by GS1. The values listed here are specific for GS1 US. In other markets, there may be different values for this attribute. Check with the local GS1 MO to get their specific values for this attribute.

List Name	DietTypeSubcode
Attribute(s)	Kosher, Organic, Vegan, Halal, Gluten Free, etc. (2 of 2) -- dietTypeSubcode

Code Value	Value Name	Definition
MEAT	Meat	Meat product which has been certified for use with the specified diet type.
FISH	Fish	Fish product which has been certified for use with the specified diet type.
DAIRY	Dairy	Dairy product which has been certified for use with the specified diet type.
PAREVE	Pareve	Pareve product which has been certified for use with the specified diet type.
MEAT FOR PASSOVER	Meat for Passover	Kosher certified meat product for Passover.
FISH FOR PASSOVER	Fish for Passover	Kosher certified fish product for Passover.
DAIRY FOR PASSOVER	Dairy for Passover	Kosher certified dairy product for Passover.
PAREVE FOR PASSOVER	Pareve for Passover	Kosher certified pareve product for Passover.
OVO	Ovo	An ovo vegetarian diet excludes meat, fish, poultry, and dairy products, but includes eggs.
LACTO	Lacto	A lacto vegetarian diet excludes meat, fish, poultry, and eggs, but includes dairy products.
PESCA	Pesca	A pesca vegetarian diet excludes meat, poultry, dairy products, and eggs, but includes fish.
LACTO_OVO	Lacto-Ovo	A lacto ovo vegetarian diet excludes meat, fish, and poultry but includes dairy products and eggs.
LACTO_OVO_PESCA	Lacto-Ovo-Pesca	A lacto ovo pesca vegetarian diet excludes meat, and poultry but includes fish, dairy products, and eggs.

3.9 DimensionTypeCode List

These are the code values managed by GS1 when populating the attribute dimensionTypeCode for the population of linear dimensions other than the overall dimensions of the trade item. This attribute is a qualifier to denote which type of dimensions are being populated in the subsequent attributes for depth, height, and width.

List Name	DimensionTypeCode
Attribute(s)	Out-of-Box Dimensions (1 of 4) -- dimensionTypeCode

Code Value	Definition
OUT_OF_PACKAGE	Out Of Box Product is removed from consumer packaging, assembled if necessary for final use and its dimensions. For example: Computer desk; entertainment centre; microwave oven; lawnmower; a floor cleaner; a grouping of table and chairs; stove; telephone; camera; large appliance (e.g. washing machines); small appliance (e.g. food processors).
DISPLAY_ITEM_FOLDED_ON_SHELF	Item has been folded before being placed on display in a shelf or other container.
DISPLAY_ITEM_HANGING	Item has been assembled for display and it has been set to hang from a frame or ceiling. The product may have a hanger in some cases (e.g. apparel).
DISPLAY_ITEM_HANGING_FROM _SHELF	Item has been assembled for display and it has been set to hang from the shelf itself. The product may have a hanger in some cases.
DISPLAY_ITEM_STANDING	Item has been assembled for display and it has been placed for display directly on the floor.
DISPLAY_ITEM_STANDING_ON_SHELF	Item has been assembled for display and it has been placed for display on the shelf.
IN_PACKAGE	Product is measured as the package was supplied.
MAX_DOOR_DRAWER_LID_CLEARANCE	Item is displayed with the door or lid open to require the maximum clearance. Applies for example to Refrigerators, dishwashers, ovens, Washers, dryers, furniture, and laptop computers.
MAX_DOOR_DRAWER_LID_CLEARANCE_W_HDL	Item is displayed with the door or lid including its handle open to require the maximum clearance. Applies for example to refrigerators, dishwashers, ovens and furniture.
RETAIL_DISPLAY	Product is measured as modified for display. For example: Display Ready Packaging with fold-up lid or fold-forward front; a box of chocolate bars with display flap; display stand for dishware; merchandise for consumer purchase that is in a 'display' carton that requires modification, such as a product in cans contained within a carton; free-standing displays for a variety of grocery products, candles, decorative items like picture frames); a laptop computer.

3.10   EAN.UCC Type Code List

This section provides a list of AdditionalTradeItemIdentificationTypeCode values which *specifically relate to the former GDSN Attribute code "EAN.UCC Code."* (See AdditionalTradeItemIdentificationTypeCode List above for the full code list.)

List Name	AdditionalTradeItemIdentificationTypeCode *(only the former EAN.UPC Codes)*
Attribute(s)	EAN.UCC Code and Type (1 of 2) – gs1TradeItemIdentificationKeyCode

Code Value	Value Name	Definition	Notes
GTIN_12	GTIN 12	The 12-digit GS1 Identification Key composed of a U.P.C. Company Prefix, Item Reference, and Check Digit used to identify trade items.	EANUCC/code- UP
GTIN_14	GTIN 14	The 14-digit GS1 Identification Key composed of an Indicator digit (1-9), GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.	EANUCC/code- UK
GTIN_8	GTIN 8	The 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items.	EANUCC/code- EO
GTIN_13	GTIN 13	The 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.	EANUCC/code- EN

3.11   FoodBeverageCompositionDatabaseCode List

These code values are managed by GS1 to populate the agency/database qualifier code for the attribute foodBeverageCompositionDatabaseCode. The agency/database represented by this code will publish a list of values which can be populated in the attribute foodBeverageCompositionCode.

List Name	FoodBeverageCompositionDatabaseCode
Attribute(s)	Nutrient Database Number (1 of 2) -- foodBeverageCompositionDatabaseCode

Code Value	Definition
USDA	United States Department of Agriculture (USDA)-The National Nutrient Data Bank is a repository of information for up to 146 nutrients for over 7,900 foods. It is made available in a principle database--the USDA National Nutrient Database for Standard Reference (SR)—online (http://www.ars.usda.gov/Services/docs.htm?docid=8964).
ANSES	CIQUAL French food composition table.
BGU	BGU Israeli Food Nutrient Database
DTU	Danish Food Composition Databank
ETHZ	Swiss Food Composition Database
FRI	Slovak Food Composition Data Bank
GOVERNMENT_OF_CANADA	Canadian Nutrient Files
HHF	Composition tables of foods and Greek dishes
IEO	Food Composition Database for Epidemiological Studies in Italy
IFR	McCance and Widdowson's The Composition of Foods integrated dataset.

Code Value	Definition
IMR	Serbian Food and Nutrition Database
INRAN	Banca Dati di Composizione degli Alimenti
INSA	Tabela de Composição dos Alimentos - INSA
MATIS	ÍSGEM
MEDICAL_SCHOOL_OF_CRETE	Medical School of Crete
MEDPHARM	Souci-Fachman-Kraut: Food Composition and Nutrition Tables
MRI	German Food Code and Nutrient Data Base
NCH	Food composition tables - Bulgaria
NFA	NFA Food Composition Database
NFNI	Food Composition Tables
NNC	Respublikinis Mitybos Centras - EuroFIR Food Classification
NUBEL	NIMS
NZIP	New Zealand Institute for Plant & Food Research Limited or New Zealand Ministry of Health.
RIVM	National Institute for Public Health and the Environment (Netherlands)
THL	Fineli
TUBITAK	Turkish food composition database system.
UCC	Irish Food Composition Database
UGR	Base de Datos Española de Composición de Alimentos - RedBEDCA
UIO	Norwegian Food Composition Tables
UVI	German "Bundeslebensmittelschlüssel"

3.12   GHSSignalwordsCode List

List Name	GHSSignalwordsCode
Attribute(s)	GHS Detail (1 of 2) -- gHSSignalwordsCode

Code Value	Definition
WARNING	A word used for less severe hazard categories.
UNSPECIFIED	Value not stated.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
DANGER	A word used for more severe hazard categories.

3.13   GHSSymbolDescriptionCode List

List Name	GHSSymbolDescriptionCode
Attribute(s)	GHS Detail (2 of 2) -- gHSSymbolDescriptionCode

Code Value	Definition
SKULL_AND_CROSSBONES	Depicts acute toxicity.
NO_PICTOGRAM	No Pictogram symbol is available.
HEALTH_HAZARD	Depicts severe health hazards.
GAS_CYLINDER	Depicts gases under pressure
FLAME_OVER_CIRCLE	Depicts oxidizing gases, liquids or solids.
FLAME	Depicts flammable substances.
EXPLODING_BOMB	Depicts explosives and some self-reactives and/or organic peroxides.
EXCLAMATION_MARK	Depicts other health hazards.
ENVIRONMENT	Tree and dead fish. Depicts hazards to the aquatic environment.
CORROSION	Depicts corrosives to skin, eyes and/or metals.

3.14   Global Product Classification (GPC) Code List

List Name	Global Product Classification Code
Attribute(s)	Global Product Classification (GPC)

The following link is the website for the Global Product Classification (GPC) system. Suppliers should review the site to determine the GPC Brick Number to populate. http://www.gs1.org/gsmp/kc/gpc

3.15   Grade Code List

List Name	Grade Code
Attribute(s)	Grade Code (1 of 3) - gradeCodeReference

These are the code values managed by an external agency. The specific agency is populated in the attribute codeListAgencyName as listed with the attribute gradeCodeReference.

The values to be populated in the attribute gradeCodeReference will be the sole discretion of the responsible agency. The agency will have mechanisms to access the full list of values to the user community, such as but not limited to postings, websites, and regulatory documentation.

3.16   GrowingMethodCode List

List Name	GrowingMethodCode
Attribute(s)	Growing Method

Code Value	Definition
FIELD_GROWN	Plants Grown Outdoors
CLONED_FOODS	Product is a result of genetic engineering.
ORGANIC	Foods grown organically, either indoors or outdoors
FREE_RANGE	The item comes from a chicken able access to an outdoor area.
HYDROPONIC	Plants grown using mineral nutrient solutions instead of soil.
GREENHOUSE	Plants that are grown and cultivated in an indoor covered place.
GRASS_FED	The item comes from an animal (bird, fish, or mammal), that is grass fed.
FARM_RAISED	The item comes from an animal (bird, fish, or mammal), that is raised on a farm.
WILD	The item from an animal (bird, fish, or mammal), caught in the wild not in captivity.
CONVENTIONAL	Foods grown non-organically, either indoors or outdoors without any special processes.
SHADE_GROWN	Plant grown under shade of a canopy of trees; typically used in the cultivation of coffee
SUSTAINABLE	A method of growing a resource so that the resource is not depleted or permanently damaged
FLY_FREE	Citrus Grown in an area certified to be free of all Caribbean Fruit Flies based on trappings
HUMANELY_RAISED	A process where animals are raised such that the welfare of the animal is a foremost concern.
INTEGRATED_PEST_M ANAGEMENT	(IPM) Plants grown using a pest control strategy that uses an array of complimentary methods: mechanical devices, physical devices, genetic, biological, legal, cultural management and chemical management. These methods are done in three stages: prevention

3.17   ISO Country Code List

GDSN utilizes the ISO 3166 Country Code list to identify a country for several attributes. The sample list provided below is valid as of January 2012. More up to date versions can be obtained from ISO at www.iso.org.

List Name	ISO 3166 CountryCode
Attribute(s)	Country of Origin (Ingredient Level) (2 of 9) -- countryCode (countryOfOrigin) Country of Origin (Ingredient Level) (8 of 9) -- countryCode (countryOfActivity) Country of Origin (Item Level) (2 of 8) -- countryCode (countryOfOrigin) Country of Origin (Item Level) (7 of 8) -- countryCode (countryOfActivity) For More Information (Contact Information) (6 of 13) -- targetMarketCountryCode Target Market

Code Value	Value Name	2-Digit Alpha Code
004	Afghanistan	AF

Code Value	Value Name	2-Digit Alpha Code
008	Albania	AL
010	Antarctica	AQ
012	Algeria	DZ
016	American Samoa	AS
020	Andorra	AD
024	Angola	AO
028	Antigua and Barbuda	AG
031	Azerbaijan	AZ
032	Argentina	AR
036	Australia	AU
040	Austria	AT
044	Bahamas	BS
048	Bahrain	BH
050	Bangladesh	BD
051	Armenia	AM
052	Barbados	BB
056	Belgium	BE
060	Bermuda	BM
064	Bhutan	BT
068	Bolivia, Plurinational State of	BO
070	Bosnia and Herzegovina	BA
072	Botswana	BW
074	Bouvet Island	BV
076	Brazil	BR
084	Belize	BZ
086	British Indian Ocean Territory	IO
090	Solomon Islands	SB
092	Virgin Islands, British	VG
096	Brunei Darussalam	BN
100	Bulgaria	BG
104	Myanmar	MM
108	Burundi	BI
112	Belarus	BY
116	Cambodia	KH
120	Cameroon	CM
124	Canada	CA
132	Cape Verde	CV
136	Cayman Islands	KY
140	Central African Republic	CF
144	Sri Lanka	LK

Code Value	Value Name	2-Digit Alpha Code
148	Chad	TD
152	Chile	CL
156	China	CN
158	Taiwan, Province of China	TW
162	Christmas Island	CX
166	Cocos (Keeling) Islands	CC
170	Colombia	CO
174	Comoros	KM
175	Mayotte	YT
178	Congo	CG
180	Congo, the Democratic Republic of the	CD
184	Cook Islands	CK
188	Costa Rica	CR
191	Croatia	HR
192	Cuba	CU
196	Cyprus	CY
203	Czech Republic	CZ
204	Benin	BJ
208	Denmark	DK
212	Dominica	DM
214	Dominican Republic	DO
218	Ecuador	EC
222	El Salvador	SV
226	Equatorial Guinea	GQ
231	Ethiopia	ET
232	Eritrea	ER
233	Estonia	EE
234	Faroe Islands	FO
238	Falkland Islands (Malvinas)	FK
239	South Georgia and the South Sandwich Islands	GS
242	Fiji	FJ
246	Finland	FI
248	Åland Islands	AX
250	France	FR
254	French Guiana	GF
258	French Polynesia	PF
260	French Southern Territories	TF
262	Djibouti	DJ
266	Gabon	GA
268	Georgia	GE

Code Value	Value Name	2-Digit Alpha Code
270	Gambia	GM
275	Palestinian Territory, Occupied	PS
276	Germany	DE
288	Ghana	GH
292	Gibraltar	GI
296	Kiribati	KI
300	Greece	GR
304	Greenland	GL
308	Grenada	GD
312	Guadeloupe	GP
316	Guam	GU
320	Guatemala	GT
324	Guinea	GN
328	Guyana	GY
332	Haiti	HT
334	Heard Island and McDonald Islands	HM
336	Holy See (Vatican City State)	VA
340	Honduras	HN
344	Hong Kong	HK
348	Hungary	HU
352	Iceland	IS
356	India	IN
360	Indonesia	ID
364	Iran, Islamic Republic of	IR
368	Iraq	IQ
372	Ireland	IE
376	Israel	IL
380	Italy	IT
384	Côte d'Ivoire	CI
388	Jamaica	JM
392	Japan	JP
398	Kazakhstan	KZ
400	Jordan	JO
404	Kenya	KE
408	Korea, Democratic People's Republic of	KP
410	Korea, Republic of	KR
414	Kuwait	KW
417	Kyrgyzstan	KG
418	Lao People's Democratic Republic	LA
422	Lebanon	LB

Code Value	Value Name	2-Digit Alpha Code
426	Lesotho	LS
428	Latvia	LV
430	Liberia	LR
434	Libya	LY
438	Liechtenstein	LI
440	Lithuania	LT
442	Luxembourg	LU
446	Macao	MO
450	Madagascar	MG
454	Malawi	MW
458	Malaysia	MY
462	Maldives	MV
466	Mali	ML
470	Malta	MT
474	Martinique	MQ
478	Mauritania	MR
480	Mauritius	MU
484	Mexico	MX
492	Monaco	MC
496	Mongolia	MN
498	Moldova, Republic of	MD
499	Montenegro	ME
500	Montserrat	MS
504	Morocco	MA
508	Mozambique	MZ
512	Oman	OM
516	Namibia	NA
520	Nauru	NR
524	Nepal	NP
528	Netherlands	NL
530	Netherlands Antilles	AN
531	Curaçao	CW
533	Aruba	AW
534	Sint Maarten (Dutch part)	SX
535	Bonaire, Sint Eustatius and Saba	BQ
540	New Caledonia	NC
548	Vanuatu	VU
554	New Zealand	NZ
558	Nicaragua	NI
562	Niger	NE

Code Value	Value Name	2-Digit Alpha Code
566	Nigeria	NG
570	Niue	NU
574	Norfolk Island	NF
578	Norway	NO
580	Northern Mariana Islands	MP
581	United States Minor Outlying Islands	UM
583	Micronesia, Federated States of	FM
584	Marshall Islands	MH
585	Palau	PW
586	Pakistan	PK
591	Panama	PA
598	Papua New Guinea	PG
600	Paraguay	PY
604	Peru	PE
608	Philippines	PH
612	Pitcairn	PN
616	Poland	PL
620	Portugal	PT
624	Guinea-Bissau	GW
626	Timor-Leste	TL
630	Puerto Rico	PR
634	Qatar	QA
638	Réunion	RE
642	Romania	RO
643	Russian Federation	RU
646	Rwanda	RW
652	Saint Barthélemy	BL
654	Saint Helena, Ascension and Tristan da Cunha	SH
659	Saint Kitts and Nevis	KN
660	Anguilla	AI
662	Saint Lucia	LC
663	Saint Martin (French part)	MF
666	Saint Pierre and Miquelon	PM
670	Saint Vincent and the Grenadines	VC
674	San Marino	SM
678	Sao Tome and Principe	ST
682	Saudi Arabia	SA
686	Senegal	SN
688	Serbia	RS
690	Seychelles	SC

Code Value	Value Name	2-Digit Alpha Code
694	Sierra Leone	SL
702	Singapore	SG
703	Slovakia	SK
704	Viet Nam	VN
705	Slovenia	SI
706	Somalia	SO
710	South Africa	ZA
716	Zimbabwe	ZW
724	Spain	ES
728	South Sudan	SS
729	Sudan	SD
732	Western Sahara	EH
740	Suriname	SR
744	Svalbard and Jan Mayen	SJ
748	Swaziland	SZ
752	Sweden	SE
756	Switzerland	CH
760	Syrian Arab Republic	SY
762	Tajikistan	TJ
764	Thailand	TH
768	Togo	TG
772	Tokelau	TK
776	Tonga	TO
780	Trinidad and Tobago	TT
784	United Arab Emirates	AE
788	Tunisia	TN
792	Turkey	TR
795	Turkmenistan	TM
796	Turks and Caicos Islands	TC
798	Tuvalu	TV
800	Uganda	UG
804	Ukraine	UA
807	Macedonia, the former Yugoslav Republic of	MK
818	Egypt	EG
826	United Kingdom	GB
831	Guernsey	GG
832	Jersey	JE
833	Isle of Man	IM
834	Tanzania, United Republic of	TZ
840	United States	US

Code Value	Value Name	2-Digit Alpha Code
850	Virgin Islands, U.S.	VI
854	Burkina Faso	BF
858	Uruguay	UY
860	Uzbekistan	UZ
862	Venezuela, Bolivarian Republic of	VE
876	Wallis and Futuna	WF
882	Samoa	WS
887	Yemen	YE
894	Zambia	ZM

3.18   ISO Country Subdivision Code List

GDSN utilizes the ISO 3166 Country Code list to identify a country's subdivision (State, Province or Region). This is a sample list of the most commonly used abbreviations for North America valid as of January 2012. More up to date versions can be obtained from ISO at www.iso.org.

List Name	ISO 3166 CountryCode
Attribute(s)	Country of Origin (Ingredient Level) (3 of 9) -- countrySubdivisionCode (countryOfOrigin) Country of Origin (Ingredient Level) (9 of 9) -- countrySubdivisionCode (countryOfActivity) Country of Origin (Item Level) (3 of 8) -- countrySubdivisionCode (countryOfOrigin) Country of Origin (Item Level) (8 of 8) -- countrySubdivisionCode (countryOfActivity) For More Information (Contact Information) (7 of 13) -- targetMarketSubdivisionCode

Code Value	Value Name	Definition
124-AB	Alberta/Alberta	province
124-BC	British Columbia/Colombie-Britannique	province
124-MB	Manitoba/Manitoba	province
124-NB	New Brunswick/Nouveau-Brunswick	province
124-NL	Newfoundland and Labrador/Terre-Neuve-et-Labrador	province
124-NS	Nova Scotia/Nouvelle-Écosse	province
124-NT	Northwest Territories/Territoires du Nord-Ouest	territory
124-NU	Nunavut/Nunavut	territory
124-ON	Ontario/Ontario	province
124-PE	Prince Edward Island/Ile-du-Prince-Édouard	province
124-QC	Quebec/Québec	province
124-SK	Saskatchewan/Saskatchewan	province
124-YT	Yukon Territory[note 1]/Territoire du Yukon	territory
484-AGU	Aguascalientes	state
484-BCN	Baja California	state

Code Value	Value Name	Definition
484-BCS	Baja California Sur	state
484-CAM	Campeche	state
484-CHH	C~hihuahua ! Chihuahua	state
484-CHP	C~hiapas ! Chiapas	state
484-COA	Coahuila	state
484-COL	Colima	state
484-DIF	Distrito Federal	federal district
484-DUR	Durango	state
484-GRO	Guerrero	state
484-GUA	Guanajuato	state
484-HID	Hidalgo	state
484-JAL	Jalisco	state
484-MEX	Mexico ! México	state
484-MIC	Michoacán	state
484-MOR	Morelos	state
484-NAY	Nayarit	state
484-NLE	Nuevo León	state
484-OAX	Oaxaca	state
484-PUE	Puebla	state
484-QUE	Querétaro	state
484-ROO	Quintana Roo	state
484-SIN	Sinaloa	state
484-SLP	San Luis Potosí	state
484-SON	Sonora	state
484-TAB	Tabasco	state
484-TAM	Tamaulipas	state
484-TLA	Tlaxcala	state
484-VER	Veracruz	state
484-YUC	Yucatán	state
484-ZAC	Zacatecas	state
581-67	Johnston Atoll	group of islands
581-71	Midway Islands	group of islands
581-76	Navassa Island	island
581-79	Wake Island	island
581-81	Baker Island	island
581-84	Howland Island	island

Code Value	Value Name	Definition
581-86	Jarvis Island	island
581-89	Kingman Reef	group of islands
581-95	Palmyra Atoll	group of islands
840-AK	Alaska	state
840-AL	Alabama	state
840-AR	Arkansas	state
840-AS	American Samoa	outlying territory
840-AZ	Arizona	state
840-CA	California	state
840-CO	Colorado	state
840-CT	Connecticut	state
840-DC	District of Columbia	district
840-DE	Delaware	state
840-FL	Florida	state
840-GA	Georgia	state
840-GU	Guam	outlying territory
840-HI	Hawaii	state
840-IA	Iowa	state
840-ID	Idaho	state
840-IL	Illinois	state
840-IN	Indiana	state
840-KS	Kansas	state
840-KY	Kentucky	state
840-LA	Louisiana	state
840-MA	Massachusetts	state
840-MD	Maryland	state
840-ME	Maine	state
840-MI	Michigan	state
840-MN	Minnesota	state
840-MO	Missouri	state
840-MP	Northern Mariana Islands	outlying territory
840-MS	Mississippi	state
840-MT	Montana	state
840-NC	North Carolina	state
840-ND	North Dakota	state
840-NE	Nebraska	state

Code Value	Value Name	Definition
840-NH	New Hampshire	state
840-NJ	New Jersey	state
840-NM	New Mexico	state
840-NV	Nevada	state
840-NY	New York	state
840-OH	Ohio	state
840-OK	Oklahoma	state
840-OR	Oregon	state
840-PA	Pennsylvania	state
840-PR	Puerto Rico	outlying territory
840-RI	Rhode Island	state
840-SC	South Carolina	state
840-SD	South Dakota	state
840-TN	Tennessee	state
840-TX	Texas	state
840-UM	United States Minor Outlying Islands	outlying territory
840-UT	Utah	State
840-VA	Virginia	State
840-VI	Virgin Islands, U.S.	outlying territory
840-VT	Vermont	State
840-WA	Washington	State
840-WI	Wisconsin	state
840-WV	West Virginia	state
840-WY	Wyoming	state

3.19 ISO Language Code List

GDSN utilizes the ISO 639 Language Codes to provide a qualifier to denote the language being populated in an attribute. All "language-qualified" attributes will used this code list (as shown in the table below). Attributes which are of a data type of *Description* (regardless of size) can be language-qualified.

This is a sample of the ISO 639-1 list for Language Codes. Please see the ISO website for the latest version. http://www.iso.org/iso/home/store/catalogue_tc/catalogue_detail.htm?csnumber=39536

List Name	LanguageCode
Attribute(s)	Allergen Statement Brand Name (3 of 4) -- languageSpecificBrandName Brand Name (4 of 4) -- languageSpecificSubbrandname Components (2 of 4) -- componentDescription Country of Origin (Ingredient Level) (6 of 9) -- productActivityRegionDescription Country of Origin (Item Level) (5 of 8) -- productActivityRegionDescription Dangerous Goods (3 of 4) -- dangerousGoodsTechnicalName DVI Intake Functional Name GHS Hazard Statement (2 of 2) -- hazardStatementsDescription GHS Precautionary Statement (2 of 2) -- precautionaryStatementsDescription Ingredients English (& Spanish optional) (1 of 4) -- ingredientStatement Ingredients English (& Spanish optional) (3 of 4) -- ingredientName Lethal Dose Concentration (7 of 7) -- testSpeciesDescription Links to Safety Data Sheet (4 of 7) -- contentDescription Links to Websites, Images, Documents, Video, Audio Files (4 of 7) -- contentDescription Manufacturer Expanded Product Description Manufacturer Short Product Description Marketing Message Pack Size Text Preparation & Cooking Instructions (2 of 2) -- preparationInstructions Product Name Serving Size Text Serving Suggestions Storage & Usage (1 of 2) -- consumerUsageInstructions Storage & Usage (2 of 2) -- consumerStorageInstructions

Code Value	Value Name	Native name	Language family
ab	Abkhaz	аҧсуа	Northwest Caucasian
aa	Afar	Afaraf	Afro-Asiatic
af	Afrikaans	Afrikaans	Indo-European
ak	Akan	Akan	Niger-Congo
sq	Albanian	Shqip	Indo-European
am	Amharic	አማርኛ	Afro-Asiatic
ar	Arabic	العربية	Afro-Asiatic
an	Aragonese	Aragonés	Indo-European

Code Value	Value Name	Native name	Language family
hy	Armenian	Հայերեն	Indo-European
as	Assamese	□□□□□□	Indo-European
av	Avaric	авар мацӏ, магӏарул мацӏ	Northeast Caucasian
ae	Avestan	avesta	Indo-European
ay	Aymara	aymar aru	Aymaran
az	Azerbaijani	azərbaycan dili	Turkic
bm	Bambara	bamanankan	Niger-Congo
ba	Bashkir	башҡорт теле	Turkic
eu	Basque	euskara, euskera	Language isolate
be	Belarusian	Беларуская	Indo-European
bn	Bengali	□□□□□	Indo-European
bh	Bihari	□□□□□□□	Indo-European
bi	Bislama	Bislama	Creole
bs	Bosnian	bosanski jezik	Indo-European
br	Breton	brezhoneg	Indo-European
bg	Bulgarian	български език	Indo-European
my	Burmese	ဗမာစာ	Sino-Tibetan
ca	Catalan; Valencian	Català	Indo-European
ch	Chamorro	Chamoru	Austronesian
ce	Chechen	нохчийн мотт	Northeast Caucasian
ny	Chichewa; Chewa; Nyanja	chiCheŵa, chinyanja	Niger-Congo
zh	Chinese	中文 (Zhōngwén), 汉语, 漢語	Sino-Tibetan
cv	Chuvash	чӑваш чӗлхи	Turkic
kw	Cornish	Kernewek	Indo-European
co	Corsican	corsu, lingua corsa	Indo-European
cr	Cree	ᓀᐦᐃᔭᐍᐏᐣ	Algonquian
hr	Croatian	hrvatski	Indo-European
cs	Czech	česky, čeština	Indo-European
da	Danish	dansk	Indo-European
dv	Divehi; Dhivehi; Maldivian;	ދިވެހި	Indo-European
nl	Dutch	Nederlands, Vlaams	Indo-European
dz	Dzongkha	རྫོང་ཁ	Sino-Tibetan
en	English	English	Indo-European
eo	Esperanto	Esperanto	Constructed
et	Estonian	eesti, eesti keel	Finno-Ugric
ee	Ewe	Eʋegbe	Niger-Congo

Code Value	Value Name	Native name	Language family
fo	Faroese	føroyskt	Indo-European
fj	Fijian	vosa Vakaviti	Austronesian
fi	Finnish	suomi, suomen kieli	Finno-Ugric
fr	French	français, langue française	Indo-European
ff	Fula; Fulah; Pulaar; Pular	Fulfulde, Pulaar, Pular	Niger-Congo
gl	Galician	Galego	Indo-European
ka	Georgian	ქართული	South Caucasian
de	German	Deutsch	Indo-European
el	Greek, Modern	Ελληνικά	Indo-European
gn	Guaraní	Avañe'ẽ	Tupi-Guarani
gu	Gujarati	□□□□□□	Indo-European
ht	Haitian; Haitian Creole	Kreyòl ayisyen	Creole
ha	Hausa	Hausa, هَوُسَ	Afro-Asiatic
he	Hebrew (modern)	עברית	Afro-Asiatic
hz	Herero	Otjiherero	Niger-Congo
hi	Hindi	□□□□□□, □□□□□	Indo-European
ho	Hiri Motu	Hiri Motu	Austronesian
hu	Hungarian	Magyar	Finno-Ugric
ia	Interlingua	Interlingua	Constructed
id	Indonesian	Bahasa Indonesia	Austronesian
ie	Interlingue	Originally called Occidental; then Interlingue after WWII	Constructed
ga	Irish	Gaeilge	Indo-European
ig	Igbo	Asụsụ Igbo	Niger-Congo
ik	Inupiaq	Iñupiaq, Iñupiatun	Eskimo-Aleut
io	Ido	Ido	Constructed
is	Icelandic	Íslenska	Indo-European
it	Italian	Italiano	Indo-European
iu	Inuktitut	ᐃᓄᒃᑎᑐᑦ	Eskimo-Aleut
ja	Japanese	日本語 (にほんご)	Japonic
jv	Javanese	basa Jawa	Austronesian
kl	Kalaallisut, Greenlandic	kalaallisut, kalaallit oqaasii	Eskimo-Aleut
kn	Kannada	□□□□□	Dravidian
kr	Kanuri	Kanuri	Nilo-Saharan
ks	Kashmiri	□□□□□□□, كشميري	Indo-European
kk	Kazakh	Қазақ тілі	Turkic
km	Khmer	ភាសាខ្មែរ	Austro-Asiatic
ki	Kikuyu, Gikuyu	Gĩkũyũ	Niger-Congo

Code Value	Value Name	Native name	Language family
rw	Kinyarwanda	Ikinyarwanda	Niger-Congo
ky	Kirghiz, Kyrgyz	кыргыз тили	Turkic
kv	Komi	коми кыв	Finno-Ugric
kg	Kongo	KiKongo	Niger-Congo
ko	Korean	한국어 (韓國語), 조선어 (朝鮮語)	Language isolate
ku	Kurdish	Kurdî, کوردی	Indo-European
kj	Kwanyama, Kuanyama	Kuanyama	Niger-Congo
la	Latin	latine, lingua latina	Indo-European
lb	Luxembourgish, Letzeburgesch	Lëtzebuergesch	Indo-European
lg	Luganda	Luganda	Niger-Congo
li	Limburgish, Limburgan, Limburger	Limburgs	Indo-European
ln	Lingala	Lingála	Niger-Congo
lo	Lao	ພາສາລາວ	Tai-Kadai
lt	Lithuanian	lietuvių kalba	Indo-European
lu	Luba-Katanga		Niger-Congo
lv	Latvian	latviešu valoda	Indo-European
gv	Manx	Gaelg, Gailck	Indo-European
mk	Macedonian	македонски јазик	Indo-European
mg	Malagasy	Malagasy fiteny	Austronesian
ms	Malay	bahasa Melayu, ملايو بهاس	Austronesian
ml	Malayalam	മലയാളം	Dravidian
mt	Maltese	Malti	Afro-Asiatic
mi	Māori	te reo Māori	Austronesian
mr	Marathi (Marāṭhī)	𑀫𑀭𑀸𑀞𑀻	Indo-European
mh	Marshallese	Kajin M̧ajeļ	Austronesian
mn	Mongolian	монгол	Mongolic
na	Nauru	Ekakairũ Naoero	Austronesian
nv	Navajo, Navaho	Diné bizaad, Dinékʼehǰí	Dene-Yeniseian
nb	Norwegian Bokmål	Norsk bokmål	Indo-European
nd	North Ndebele	isiNdebele	Niger-Congo
ne	Nepali	नेपाली	Indo-European
ng	Ndonga	Owambo	Niger-Congo
nn	Norwegian Nynorsk	Norsk nynorsk	Indo-European
no	Norwegian	Norsk	Indo-European
ii	Nuosu	ꆈꌠ꒿ Nuosuhxop	Sino-Tibetan
nr	South Ndebele	isiNdebele	Niger-Congo

Code Value	Value Name	Native name	Language family
oc	Occitan	Occitan	Indo-European
oj	Ojibwe, Ojibwa	ᐊᓂᔑᓈᐯᒧᐎᓐ	Algonquian
cu	Old Church Slavonic, Church Slavic, Church Slavonic, Old Bulgarian, Old Slavonic	ѩзыкъ словѣньскъ	Indo-European
om	Oromo	Afaan Oromoo	Afro-Asiatic
or	Oriya	ଓଡ଼ିଆ	Indo-European
os	Ossetian, Ossetic	ирон æвзаг	Indo-European
pa	Panjabi, Punjabi	□□□□□, پنجابی	Indo-European
pi	Pāli	□□□□	Indo-European
fa	Persian	فارسی	Indo-European
pl	Polish	polski	Indo-European
ps	Pashto, Pushto	پښتو	Indo-European
pt	Portuguese	Português	Indo-European
qu	Quechua	Runa Simi, Kichwa	Quechuan
rm	Romansh	rumantsch grischun	Indo-European
rn	Kirundi	Ikirundi	Niger-Congo
ro	Romanian, Moldavian, Moldovan	română	Indo-European
ru	Russian	русский язык	Indo-European
sa	Sanskrit (Saṁskṛta)	□□□□□□□□	Indo-European
sc	Sardinian	sardu	Indo-European
sd	Sindhi	سنڌي، سندھی, □□□□□	Indo-European
se	Northern Sami	Davvisámegiella	Finno-Ugric
sm	Samoan	gagana fa'a Samoa	Austronesian
sg	Sango	yângâ tî sängö	Creole
sr	Serbian	српски језик	Indo-European
gd	Scottish Gaelic; Gaelic	Gàidhlig	Indo-European
sn	Shona	chiShona	Niger-Congo
si	Sinhala, Sinhalese	සිංහල	Indo-European
sk	Slovak	slovenčina	Indo-European
sl	Slovene	slovenščina	Indo-European
so	Somali	Soomaaliga, af Soomaali	Afro-Asiatic
st	Southern Sotho	Sesotho	Niger-Congo
es	Spanish; Castilian	español, castellano	Indo-European
su	Sundanese	Basa Sunda	Austronesian
sw	Swahili	Kiswahili	Niger-Congo
ss	Swati	SiSwati	Niger-Congo
sv	Swedish	svenska	Indo-European

Code Value	Value Name	Native name	Language family
ta	Tamil	தமிழ்	Dravidian
te	Telugu		Dravidian
tg	Tajik	тоҷикӣ, toǧikī, تاجیکی	Indo-European
th	Thai	ไทย	Tai-Kadai
ti	Tigrinya	ትግርኛ	Afro-Asiatic
bo	Tibetan Standard, Tibetan, Central	བོད་ཡིག	Sino-Tibetan
tk	Turkmen	Türkmen, Түркмен	Turkic
tl	Tagalog	Wikang Tagalog,	Austronesian
tn	Tswana	Setswana	Niger-Congo
to	Tonga (Tonga Islands)	faka Tonga	Austronesian
tr	Turkish	Türkçe	Turkic
ts	Tsonga	Xitsonga	Niger-Congo
tt	Tatar	татарча, tatarça, تاتارچا	Turkic
tw	Twi	Twi	Niger-Congo
ty	Tahitian	Reo Tahiti	Austronesian
ug	Uighur, Uyghur	Uyʁurqə, ئۇيغۇرچە	Turkic
uk	Ukrainian	українська	Indo-European
ur	Urdu	اردو	Indo-European
uz	Uzbek	O'zbek, Ўзбек, أۇزبېك	Turkic
ve	Venda	Tshivenḓa	Niger-Congo
vi	Vietnamese	Tiếng Việt	Austro-Asiatic
vo	Volapük	Volapük	Constructed
wa	Walloon	Walon	Indo-European
cy	Welsh	Cymraeg	Indo-European
wo	Wolof	Wollof	Niger-Congo
fy	Western Frisian	Frysk	Indo-European
xh	Xhosa	isiXhosa	Niger-Congo
yi	Yiddish	ייִדיש	Indo-European
yo	Yoruba	Yorùbá	Niger-Congo
za	Zhuang, Chuang	Saɯ cueŋƅ, Saw cuengh	Tai-Kadai
Zu	Zulu	isiZulu	Niger-Congo

3.20   LevelOfContainmentCode List

List Name	LevelOfContainmentCodeList
Attribute(s)	GMO Declaration (Ingredient Level) GMO Declaration (Item Level) Allergens (4 of 4) -- levelOfContainment

Code Value	Definition
30	The substance is not intentionally nor inherently included in the product, however because it is assessed to not require a cross contact declaration, product testing may not always be conducted for confirmation for example milk not inherently containing shellfish or peanuts or cheese sticks with no declaration of shellfish.
50	Derived From: The product has been derived from ingredients with the specified condition as defined by the regulatory authority in the target market.
60	Not Derived From: The product has not been derived from ingredients with the specified condition as defined by the regulatory authority in the target market.
CONTAINS	Intentionally included in the product.
FREE_FROM	The product is free from the indicated substance.
MAY_CONTAIN	The substance is not intentionally included, but due to shared production facilities or other reasons, the product may contain the substance.
UNDECLARED	Not intentionally included in the product and assessed not to require a cross-contact declaration. "Undeclared" may be defined by a regulatory authority in the target market.

Note: DERIVED FROM and NOT DERIVED FROM should not be used for allergens only for GMO.

3.21   Manufacturer Product Number Code List

This section provides a list of AdditionalTradeItemIdentificationTypeCode values which *specifically relate to manufacturer product numbers.* (See the AdditionalTradeItemIdentificationTypeCode List section above for the full list.) This code list is used to provide values for several types of identification for the item which are not the GTIN. The values listed in this section are the specific values used to provide the reference to the manufacturer's part number or SKU number.

List Name	AdditionalTradeItemIdentificationTypeCode
Attribute(s)	Manufacturer Product Number (1 of 2) -- additionalTradeItemIdentificationTypeCode

Code Value	Value Name	Definition & Notes
SUPPLIER_ASSIGNED	Supplier Assigned	**_Supplier Item Number/ Manufacturer Part Number_** The additional Trade Item Identification value populated has been developed and assigned by the party which provides service(s), and/or manufactures or otherwise has possession of the goods and consigns or makes them available in trade. This number is a base model or style number assigned to the product and may be the same for several GTINs where they are variations of each other (e.g., a coffee mug with 3 different GTINs for the brown mug, the white mug, and the black mug might all be the supplier assigned number of AB123). Use of this value is recommended in the absence of a Model Number or Manufacturer's Part Number.
FDA_NDC_10	FDA NDC 10	**_For Pharmaceuticals_** The National Drug Code of the United States of America is a unique 10-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
FDA_NDC_11	FDA NDC 11	**_For Pharmaceuticals_** The National Drug Code of the United States of America is a unique 11-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
DISTRIBUTOR_ASSIGNED	Distributor Assigned	The additional Trade Item Identification value populated has been developed and assigned by an entity which purchases and takes title to goods which are then resold / redistributed elsewhere.
MANUFACTURER_PART_NUMBER	Manufacturer part number	An identifier of a part used for an item. While the name implies that the number is assigned by the manufacturer, the part may be built by one manufacturer to apply to another manufacturer's item. In this case, this number is the applicable part number from the item's manufacturer. The part manufacturer numbers would be found with the type of MODEL_NUMBER, SUPPLIER_ASSIGNED, or DISTRIBUTOR_ASSIGNED. For example: a 1957 car manufactured by Chevrolet has a part number AB123 which is the driver's door handle. A secondary manufacturer produces an equivalent or Original Equipment Manufacturer (OEM) part with their number of 57-123CHEV. This value would be the AB123 to signify that it is that equivalent.
MODEL_NUMBER	Model Number	An identification number which defines the configuration of the product in addition to the Item Number. This is typically printed or otherwise attached to an item. In electronics, this number is typically found around or near a serial number.
PLU	Price Look Up	A number used to indicate a price look up for an existing random weight item. This is only used for items that have been assigned an industry or proprietary PLU and that is utilized through a weighing system through the scales at the back or front registers.

3.22   MeasurementPrecisionCode List

List Name	MeasurementPrecisionCode
Attribute(s)	Nutrient Label Contents & Measures (6 of 9) -- measurementPrecisionCode Nutrient Label Contents & Measures (8 of 9) -- dailyValueIntakePercentMeasurementPrecisionCode Servings of the Trade Item (2 of 2) -- numberOfServingsPerPackageMeasurementPrecisionCode

Code Value	Definition
APPROXIMATELY	The method used to analyse the products resulted in ap-proximate value of the nutritional content.
EXACT	The method used to analyse the products resulted in exact value of the nutritional content.
LESS_THAN	To indicate presence when the measurement value is too small to be measured precisely (rule states less than 0.5).

3.23 MicrobiologicalOrganismCode List

List Name	MicrobiologicalOrganismCode
Attribute(s)	Is Trade Item Probiotic?

Code Value	Definition
MESOPHILIC_AEROBES	To indicate the value of mesophilic aerobes
SULPHITE_REDUCER_ANAEROBES_AT_46_DEGREES_C	To indicate the value of sulphite-reducer anaerobes 46_c
COLIFORMS_AT_44_DEGREES_C	To indicate the value of coliforms at 44_c or faecal coliforms
FAECAL_STREPTOCOCCI	To indicate the value of faecal_streptococci
THERMOPHILIC_AEROBES	To indicate the value of thermophilic aerobes
MESOPHILIC_ANAEROBES	To indicate the value of mesophilic anaerobes
POSITIVE_COAGULASE_STAPHYLOCOCCI	To indicate the value of positive coagulase staphylococci
SULPHITE_REDUCER_CLOSTRIDIUM_AT_46_DEGREES_C	To indicate the value of sulphite-reducer clostridium 46_c
COLIFORM_BACTERIA_AT_35_DEGREES_C	To indicate the value of coliform bacteria. Coliform: Gram-negative, nonsporing, facultative rods that ferment lactose with gas formation within 48 hours at 35 °C. Examples of coliform bacteria are members in the genera Escherichia (e.g. E. coli), Klebs
MOULDS	To indicate the value of moulds
ESCHERICHIA_COLI_O157_H7	To indicate the value of escherichia coli o157:h7
BIOBURDEN_MICROBIAL_COUNT	To indicate the total microbial count of bioburden. Bioburden: Degree of microbial contamination or microbial load; the number of microorganisms contaminating an object.
PRESUMPTIVE_BACILLUS_CEREUS	Indication of the value of Presumptive Bacillus cereus. Presumptive Bacillus cereus: Members of Bacillur species that do not ferment mannitol, usually produce lecithinase, and exhibit ß-haemolysis on blood agar.
SPORES	Indication of spores of sulphite reducing clostrida. Sulphite reducing clostrida: Anaerobic, spore-forming organisms, of which the most characteristics, Clostridium perfringens (C. welchii), is normally present in faeces, although in much smaller numbers
AEROBE_MESOPHILES_MICROBIAL_COUNT	To indicate the bicobial count of aerobe mesophiles. Aerobe: an organism that grows in the presence of oxygen. There may be facultative or obligate aerobes. Mesophile: organism living in the temperature range around that of warm-blooded animals, usually b

Code Value	Definition
AEROBE_MESOPHILES_COLONIES	To indicate the number of colonies of aerobe mesophiles. Aerobe: an organism that grows in the presence of oxygen. There may be facultative or obligate aerobes. Mesophile: organism living in the temperature range around that of warm-blooded animals, usual
COLIFORM_GERMS_AT_35_DEGREES_C	To indicate the value of coliform germs. Coliform: Gram-negative, nonsporing, facultative rods that ferment lactose with gas formation within 48 hours at 35 °C. Examples of coliform bacteria are members in the genera Escherichia (e.g. E. coli), Klebsiell
ENTEROCOCCACEA	Indication of the value of enterococcacea. Enterococcaceae is a family of Gram-positive bacteria, placed within the order of Lactobacillales. Representative genera include Atopobacter, Enterococcus, Melissococcus, Pilibacter, Tetragenococcus, and Vag
YEASTS	To indicate the value of yeasts
ESCHERICHIA_COLI	To indicate the value of escherichia coli
MILK_ACID	To indicate the value of milk-acid
PATHOGENEN	To indicate the value of Pathogenen
SHIGELLA	Indication of the value of Shigella.
PSEUDOMONAS	To indicate the value of pseudomonas
HAFNIA_ALVEI	To indicate the value of hafnia alvei
CAMPYLOBACTOR	To indicate the value of campylobactor
VIBRIO_CHOLERAE	To indicate the value of vibriocholerae
SALMONELLA	To indicate the value of Salmonella mesophilic aerobes
BACILLUS_CEREUS	To indicate the value of bacillus cereus
STAPHYLOCOCCUS_ENTEROTOXIN	To indicate the value of staphylococcus enterotoxin
COLIFORMS_AT_30_DEGREES_C	To indicate the value of coliforms at 30_c
STAPHYLOCOCCUS_AUREUS	To indicate the value of staphylococcus aureus
THERMOPHILIC_ANAEROBES	To indicate the value of thermophilic anaerobes
LISTERIA_MONOCYTOGENES	To indicate the value of listeria monocytogenes
VIBRIO_PARAHAEMOLYTICUS	To indicate the value of vibrio parahaemolyticus
HAEMOLYTIC_STREPTOCOCCI	To indicate the value of haemolytic streptococci
CLOSTRIDIUM_PERFRINGENS	To indicate the value of clostridium perfringens
FUNGI	To indicate the value of Fungi
ENTEROBACTERIA	To indicate the value of enterobacteria

3.24   Non-Binary Logic Enumeration Code List

GDSN utilizes a set of codes for use with some *indicator* attributes. Some indicators will be of a data type of Boolean (TRUE or FALSE). However, GDSN has changed its operating principle and does not build any attributes with a Boolean data type. Instead, GDSN uses the "Non-Binary Logic" data type which consists of a list of 4 values. In many situations, only the values of TRUE or FALSE are relevant.

List Name	NonBinaryLogicEnumeration
Attribute(s)	Allergen Relevant Data Provided Nutrient Relevant Data Provided Dangerous Substance (Ingredient Level) Dangerous Substance (Item Level) REACH Information (1 of 2) -- isSubstanceOfVeryHighConcern REACH Information (2 of 2) -- isTradeItemREACHRelevant Seasonal (1 of 3) -- isTradeItemSeasonal

Code Value	Definition
UNSPECIFIED	Value not stated.
TRUE	Affirmative value.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
FALSE	Negative value.

3.25   NutrientBasisQuantityTypeCode List

List Name	NutrientBasisQuantityTypeCode
Attribute(s)	Nutrient Label Contents & Measures (1 of 9) -- nutrientBasisQuantityTypeCode

Code Value	Definition
BY_MEASURE	Nutrient measurement is based on a measurement value for example grams or ounces.
BY_SERVING	Nutrient measurement is based on a specified serving amount

3.26   NutrientTypeCode List (Temporary GS1 Code List)

The FAO INFOODS program manages nutrient type code values referred to as "nutrient tag names." The INFOODS codes can be found at: (www.fao.org/infoods/tagnames_en.stm. When a new code value is requested of GS1, a temporary code is assigned for use in the GDSN until INFOODS can add that code value to their tagname lists. The table below presents the current list of GDSN temporary code values

NOTE: A guide has been developed to help reduce the number of INFOODS Codes to a minimum generic set in order to help to reduce confusion in implementating this codeset. The guide, entitled *INFOODS Guideline Nutrient Codes,* can be found in the GS1 US Foodservice Tools and Resources website at http://www.gs1us.org/industries/foodservice/tools-and-resources.

List Name	NutrientTypeCode (GS1 Temporary Codes until INFOODS permanent tagnames are assigned)
Attribute(s)	Nutrient Label Contents & Measures (5 of 9) -- nutrientTypeCode

Code Value	Value Name	Definition
ENERSF	Calories From Saturated Fat	Calories From Saturated Fat(Temporary GS1 Code)
G_CMO	Carbon Monoxide	Carbon Monoxide(Temporary GS1 Code)
G_HC	Bicarbonate	Bicarbonate (or hydrogen carbonate) is an intermediate form in the deprotonation of carbonic acid. It is an anion with the chemical formula HCO3. Bicarbonate serves a crucial biochemical role in the physiological pH buffering system. Bicarbonate is a major element in our body, and is present in all body fluids and organs. Secreted by the stomach, it is necessary for digestion. When ingested, for example, with mineral water, it helps buffer lactic acid generated during exercise and also reduces the acidity of dietary components. Finally, it has a prevention effect on dental cavities.
G_NICT	Nicotine	Nicotine(Temporary GS1 Code)
G_NMES	Non-milk Extrinsic Sugars	Non-milk Extrinsic Sugars (Temporary GS1 Code)
G_TAR	Tar	Tar(Temporary GS1 Code)
GINSENG	Ginseng	Ginseng may be included in small doses in energy drinks or herbal teas, such as ginseng coffee. Ginseng is known to contain phytoestrogens. The ginseng root has been used in Asia for more than two millennia to enhance energy, support the immune system, an
HMB	Beta-hydroxy-betamethylbutyrate	(beta-hydroxy-beta-methylbutyrate) - increases muscle mass and decrease muscle breakdown. (Temporary GS1 Code)
IODIZED_SALT	Iodized Salt	Table salt mixed with a minute amount of various iodine-containing salts (Temporary GS1 Code)
L_CARNITINE	Carnitine	Carnitine is a substance that helps the body turn fat into energy. Your body makes it in the liver and kidneys and stores it in the skeletal muscles, heart, brain, and sperm. Carnitine is available as a supplement in a variety of forms: a. L-carnitine: th
NUCLEOTIDE	Nucleotide	Nucleotides are organic molecules composed of a nucleobase, a five-carbon sugar (ribose or deoxyribose) and at least one phosphate group. SALTEQ Salt Equivalent: The calculated level of salt equal to Na (natrium (sodium)) x 2, 5. (Temporary GS1 Code)
SALTEQ	Salt Equivalent	The calculated level of salt equal to Na (natrium (sodium)) x 2,5. (Temporary GS1 Code)

3.27   NutrientValueDerivationCode List

List Name	NutrientValueDerivationCode
Attribute(s)	Nutrient Label Contents & Measures (3 of 9) -- nutrientValueDerivation

Code Value	Definition
ANALYTICAL	The item's nutrient values have been determined through direct scientific analysis by a lab.

Code Value	Definition
ANALYTICAL_&_CALCULATED	Some of the item's nutrient values have been determined through scientific analysis and some have been determined through a calculation of nutrient values provided for its ingredients.
CALCULATED	The item's nutrient values have been determined through a calculation of nutrient values provided for its ingredients or from other published documentation and not by lab analysis.
UNKNOWN	It is not known as to method of the derivation of the item's nutrient values.

3.28   Nutritional Program Code List

These are the code values managed by GS1 when populating the attribute nutritionalProgramCode.

List Name	NutritionalProgramCode
Attribute(s)	Nutrition Program

Code Value	Definition
1	5 a day. A program designed to encourage the consumption of at least five portions of fruit and vegetables per day.

3.29   NutritionalLabelTypeCode List

List Name	NutritionalLabelTypeCode
Attribute(s)	Child Nutrition Label Available

Code Value	Definition
1	The USDA Child Nutrition (CN) Labelling Program provides food manufacturers the option to include a standardized food crediting statement on their product label. Labels must be approved by USDA, FNS prior to use and manufacturers must have quality control procedures and inspection oversight that meet the FNS requirements. Products produced in accordance with the CN Labelling Program are generally purchased by foodservice providers for FNS meal programs.

3.30   OrganicClaimAgencyCode List

List Name	OrganicClaimAgencyCode
Attribute(s)	Organic (Ingredient Level) (1 of 2) -- organicClaimAgencyCode Organic (Item Level) (1 of 2) -- organicClaimAgencyCode

Code Value	Value Name	Definition
1	EPA	EPA – US Environmental Protection Agency
2	FSA	FSA – UK Food Standards Agency
3	FDA	FDA – US Food and Drug Agency
4	IFOA	International Foundation for Organic Agriculture
5	BFA	BFA - Biological Farmers of Australia
6	USDA	USDA- US Department of Agriculture
7	QAI	Quality Assurance International www.qai-inc.com
8	Südtirol Bioland	Südtirol Bioland – Bioland Association of South Tyrol The Association of South Tyrol is the largest organic association for organic farmers having to farmers in South Tyrol and the only active in association with a national association office Terlan.
9	Ecoland	Ecoland – Ecoland is a membership organisation whose members elect a governing Board which is responsible for the design and implementation of the organic certification system.
10	Demeter-Bund	Demeter-Bund – The Demeter movement as an entrepreneurial network promotes the development of bio-dynamic economy, to secure the livelihoods of the world and to strengthen the positive people in his ministry. In cooperation contribute producers, processor
11	GÄA	GÄA – Gäa is a diverse farming association for farmers, processors and traders inside.Focal point is Germany. Gäa is a special design for the structure of the organic farming.
12	Naturland	Naturland – Naturland is active the world over in promoting organic agriculture. Its members are farmers who produce a wide range of valuable products: coffee from Mexico and Peru, olive oil from Greece, tea from the slopes of India's mountains, pineapple
13	BVOL	Bäuerliche Vereinigung ökologischer Landbau – an association of organic farmers' associations. They represent the interests of the German organic farmers and want to strengthen the position of organic farms in the shaping of national and international con
14	ECOVIN	ECOVIN Federation Organic Viticulture Association: largest merger in 1985 as ecologically-working wine estates in Germany was founded. Approximately 220 member companies currently manage 1,600 hectares of vineyards in 11 German wine-growing areas.
15	IFOAM	The International Federation of Organic Agriculture Movements (IFOAM) is a grassroots and democratic organization that currently unites 750 member organizations in 116 countries.
16	Demeter International	Demeter-International e. V. is a non profit organisation and its member organisations work together in the spirit of an international confederation with democratic principles. Membership requires a functioning Demeter certification programme.
17	Bioland	Bioland: The leading organic farmers' association in Germany for the economy of organic-based businesses without synthetic pesticides and synthetic chemical nitrogen fertilizer. The animals are kept humanely and processed food carefully. This provides an
19	QCS	Quality Certification Services
20	WSDA	Washington State Dept. of Agriculture
999	Unspecified Agency	Unspecified Agency

3.31   OrganicTradeItemCode List

List Name	OrganicTradeItemCode
Attribute(s)	Organic (Ingredient Level) (2 of 2) -- organicTradeItemCode Organic (Item Level) (2 of 2) -- organicTradeItemCode

Code Value	Definition
1	100% Organic
2	Organic (at least 95% by weight)
3	Made with organic ingredients (at least 70% by weight)
4	Some organic ingredients (less than 70% by weight)
5	Not Organic
6	In conversion (products presently in conversion to the organic standard)
7	Bio Dynamic (a cousin to the organic system)
8	Disqualified (GTINs that violate organic principles, with attributes such as tradeitemGeneticallyModifiedCode or tradeitemIrradiatedCode is true)

3.32   PackageTypeCode List

List Name	PackageTypeCode
Attribute(s)	Packaging

Code Value	Value Name	Definition
AA	Intermediate bulk container, rigid plastic	A Rigid Intermediate Bulk Container (RIBC) that is attached to a pallet or has the pallet integrated into the RIBC. The container is used for the transport and storage of fluids and other bulk materials.
AE	Aerosol	A gas-tight, pressure-resistant container with a valve and propellant. When the valve is opened, propellant forces the product from the container in a fine or coarse spray pattern or stream. (e.g., a spray can dispensing paint, furniture polish, etc, under pressure). It does not include atomizers, because atomizers do not rely on a pressurised container to propel product from the container.
AM	Ampoule	A relatively small container made from glass or plastic tubing, the end of which is drawn into a stem and closed by fusion after filling. The bottom may be flat, convex, or drawn out. An ampule is opened by breaking the stem.
BA	Barrel	A cylindrical packaging whose bottom end is permanently fixed to the body and top end (head) is either removable or non-removable.
BBG	Bag in Box	Bag-In-Box or BIB is a type of container for the storage and transportation of liquids. It consists of a strong bladder, usually made of aluminium PET film or other plastics seated inside a corrugated fibreboard box. The box and internal bag can be fused

Code Value	Value Name	Definition
BG	Bag	A preformed, flexible container, generally enclosed on all but one side, which forms an opening that may or may not be sealed after filling.
BJ	Bucket	A container, usually cylindrical, can be equipped with a lid and a handle. (e.g., a pail made of metal, plastic, or other appropriate material).
BK	Basket	A semi rigid container usually open at the top traditionally used for gathering, shipping and marketing agricultural products.
BO	Bottle	A container having a round neck of relatively smaller diameter than the body and an opening capable of holding a closure for retention of the contents. Specifically, a narrow-necked container as compared with a jar or wide-mouth container. The cross section of the bottle may be round, oval, square, oblong, or a combination of these. Bottles generally are made of glass or plastics, but can also be earthenware or metal. Bottle may be disposable, recyclable, returnable, or reusable.
BPG	Blister pack	A type of packaging in which the item is secured between a preformed (usually transparent plastic) dome or "bubble" and a paperboard surface or "carrier." Attachment may be by stapling, heat-sealing, gluing, or other means. In other instances, the blister
BRI	Brick	A rectangular-shaped, stackable package designed primarily for liquids such as juice or milk
BX	Box	A non-specific term used to refer to a rigid, three-dimensional container with closed faces that completely enclose its contents and may be made out of any material. Even though some boxes might be reused or become resealed they could also be disposable d
CG	Cage	A container enclosed on at least one side by a grating of wires or bars that lets in air and light.
CM	Card	A flat package to which the product is hung or attached for display.
CMS	Clam Shell	A one-piece container consisting of two halves joined by a hinge area which allows the structure to come together to close. Clamshells get their name from their appearance to the shell of a clam, which it resembles both in form and function.
CNG	Can	A metallic and generally cylindrical container of unspecified size which can be used for items of consumer and institutional sizes.
CR	Crate	A non-specific term usually referring to a rigid three-dimensional container with semi-closed faces that enclose its contents for shipment or storage. Crates could have an open or closed top and may have internal divers. Even though some crates might be r
CS	Case	A non-specific term for a container designed to hold, house, and sheath or encase its content while protecting it during distribution, storage and/or exhibition. Cases are mostly intended to store and preserve its contents during the product's entire life.
CT	Carton	A non-specific term for an open or re-closable container used mostly for perishable foods (e.g. eggs, or fruit).
CU	Cup\Tub	A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Usually made of paper, plastic or other materials these containers are typically used to contain mostly (but not exclusively) foods such as ice cream, margarine, yogurt, sour cream, confections, etc.
CY	Cylinder	A rigid cylindrical container with straight sides and circular ends of equal size.
EN	Envelope	A predominantly flat container of flexible material having only two faces, and joined at three edges to form an enclosure. The non-joined edge provides a filling opening, which may later be closed by a gummed or adhesive flap, heat seal, tie string, metal
GTG	Gable Top	A rectangular-shaped, non-stackable package designed primarily for liquids such as juice or milk

Code Value	Value Name	Definition
JG	Jug	A container, normally cylindrical, with a handle and/or a lid or spout for holding and pouring liquids
JR	Jar	A rigid container made of glass, stone, earthenware, plastic or other appropriate material with a large opening, which is used to store products, (e.g., jams, cosmetics).
MPG	Multipack	A bundle of products held together for ease of carriage by the consumer. A multipack is always a consumer unit.
NE	Not packed	The item is provided without packaging.
NT	Net	A container of meshwork material made from threads or strips twisted or woven to form a regular pattern with spaces between the threads that is used for holding, carrying, trapping, or confining something.
PB	Pallet Box	A three-dimensional container which either has a pallet platform permanently attached at its base or alternatively requires a platform for its handling and storage as due to its constitution it cannot be handled without it. The characteristics of the plat
PLP	Peel Pack	A package used for sterile products which may be torn open without touching the product inside.
PO	Pouch	A preformed, flexible container, generally enclosed with a gusset seal at the bottom of the pack can be shaped/arranged to allow the pack to stand on shelf.
PT	Pot	A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Pots are usually made of cardboard, plastic, ceramic, metal or other materials and may be used for a wide array of products such as cosmetics, food/liquids,
PU	Tray	A shallow container, which may or may not have a cover, used for displaying, carrying items or carry for warehousing. Examples for TIIG • Plate • Cardboard carrier • Cellplate • Divider Sheet/Slip Sheet • Plastic-Wrapped Tray • Tray for bottles • Tray
PUG	Packed, unspecified	Packaging of the product (or products) is currently not on the list. Use this code when no suitable options are available and only while a Change Request is approved for the proper packaging type.
PX	Pallet	A platform used to hold or transport unit loads.
RK	Rack	A non specific term identifying a framework or stand for carrying, holding, or storing items. Commonly on wheels and primarily used in the logistical functions to deliver items such as hanging garments, or items on shelves such as dairy products and baker
RL	Reel	A spool on which thread, wire, film, etc., is wound. Any device on which a material may be wound. Usually has flanged ends and is used for shipping or processing purposes.
STR	Stretchwrapped	In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around an item or group of items to secure and maintain unit integrity. The use of stretch film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping.
SW	Shrinkwrapped	In packaging, a plastic film around an item or group of items which is heated causing the film to shrink, securing the unit integrity. The use of shrunken film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping.
SY	Sleeve	A non-rigid container usually made of paper, cardboard or plastic, that is open-ended and is slid over the contents for protection or presentation.
TU	Tube	A cylindrical container sealed on one end that could be closed with a cap or dispenser on the other end.

Code Value	Value Name	Definition
WRP	Wrapper	The process of enclosing all or part of an item with layers of flexible wrapping material (e.g., for an individually packed ice cream). Does not include items which are shrink-wrapped or vacuum-packed.
X11	Banded package	Something used to bind, tie, or encircle the item or its packaging to secure and maintain unit integrity.
ZU	Flexible Intermediate Bulk Container	A non-rigid container used for transport and storage of fluids and other bulk materials. The construction of the IBC container and the materials used are chosen depending on the application.

3.33   PackagingMarkedLabelAccreditationCode List

These are the code values managed by GS1 when populating the attribute packagingMarkedLabelAccreditationCode.

A listing of the codes, agencies, the agency website, and potential icon images can be found at this link-http://www.gs1.org/docs/gdsn/packaging_label_guide.xls.

List Name	PackagingMarkedLabelAccreditationCode
Attribute(s)	Package Marks (1 of 3) -- packagingMarkedLabelAccreditationCode

Code Value	Definition
100_PERCENT_CANADIAN_MILK	The use of a "100% Canadian Milk" or "100% Canadian Dairy" claim, with or without logos, vignettes etc., when used on dairy products, indicates all of the dairy ingredients in the product are derived from Canadian sources.
AGENCE_BIO	The BIO Agency is a public interest group whose mission is to develop and promote organic agriculture.
AISE	A.I.S.E., the international Association for Soaps, Detergents and Maintenance Products is the official representative body of this industry in Europe.
AISE_2005	The International Association for Soaps, Detergents and Maintenance Products: This Charter logo on a product means that the company placing this product on the market is committed to the industry Charter for Sustainable Cleaning, and that the company has successfully complied with the Charter Sustainability Procedures. Consumers and professional users who see this logo on a product can be assured that the company making this product is voluntarily committed to delivering continual improvements in safety, environmental friendliness and other key aspects of sustainability. Only those companies that have signed up to the Charter, and meet the licensing conditions, are permitted to use it.
AISE_2010	The International Association for Soaps, Detergents and Maintenance Products This logo will certify that the company which manufactured the product is following Charter update 2010 sustainability principles.
ALUMINIUM_ GESAMTVERBAND_DER_ ALUMINIUMINDUSTRIE	The packaging is recyclable aluminium by Gesamtverband der Aluminiumindustrie
AMA_ORGANIC_SEAL	Austria Ministry of Agriculture Organic Label, AMA Marketing licenses the AMA organic logo. Red, white and black indicates the majority of ingredients are of Austrian origin.

Code Value	Definition
AMA_ORGANIC_SEAL_BLACK	AMA Assurance Organic products with a national origin are uniformly marked with the black AMA organic label without indication of origin.
AMA_SEAL_OF_APPROVAL	The AMA quality label ensures independent controls and stands for conventionally produced foods that meet exceptional quality criteria and whose origin is traceable.
ANIMAL_WELFARE_APPROVED_GRASSFED	Guarantees the meat comes from an animal raised entirely outdoors on pasture, and fed a 100-per-cent grass and forage diet.
AQUACULTURE_STEWARDSHIP_COUNCIL	The Aquaculture Stewardship Council ASC certification and labelling programme for responsibly farmed seafood. A global organisation working with aquaculture producers, seafood processors, retail and foodservice companies, scientists, conservation groups and the public to promote the best environmental and social choice in seafood. The ASC's aquaculture certification programme and seafood label will recognise and reward responsible aquaculture.
ARGE_GENTECHNIK_FREI	ARGE logo stands for the production of food without genetically modified additives.
ASMI	ASMI The Alaska Seafood Marketing Institute is a marketing organization with the mission of increasing the economic value of the Alaska seafood resource through: • Increasing the positive awareness of the Alaska Seafood brand; • Quality assurance, technical industry analysis, education, advocacy and research;
ATG	If there is no BENOR-mark for a specific material, then the manufacturers can ask for a technical approval by BUtgb (Belgian Union for technical approval in the construction). This technical approval (ATG) provides a technical advice, including a description and the technical characteristics. An ATG is a favourable review of one particular building product of one manufacturer for a particular application. It's all about systems, innovative products and products that contain multiple components.
AUS_KAUP_ESTONIA	Used to specify Estonia Meat in their product. Eesti Lihatöötlejate Assotsiatsioon www.ela.ee
AUSTRIA_BIO_GARANTIE	Austria Bio Garantie GMBH (ABG) is Austria's leading inspection body. It conducts inspections throughout Austria at all levels of the organic production chain (farmers-processors-traders-import/export) as well as in different foreign countries.
AUSTRIAN_ECO_LABEL	The Austrian Eco Label guarantees envoiornment-freindly products and services.
BDIH_LOGO	BDIH Germany guidelines for Certified Natural Cosmetics
BEBAT	BEBAT is a non-profit organization, founded in 1995 under a Belgian law on environmental taxes. BEBAT gives a new life to batteries and flashlights! We do that by sorting and recycling. The federal government and the regional authorities are working with us.
BELGAQUA	Belgaqua is the Belgian Federation for the Water Sector, and verifies the conformity of devices connected to the water supply at the request of the manufacturer or the importer, and is responsible for the inspection of protections against back blends.
BENOR	BENOR stands for BElgian NORm and points out that a product is according to Belgian standards. Is mainly used for traditional building materials such as steel, concrete, tile, brick, floor tiles and other concrete products, indicated by the abbreviation NBN. Mainly for building materials in road construction.
BERCHTESGADENER_LAND	The regional seal "Berchtesgadener Land" approved regional origin and quality of organically and conventionally produced agricultural products and services in the region of Berchtesgaden. The award criteria go in terms of the origin and support of genetic engineering ban partially beyond legal requirements.

Code Value	Definition
BEST_AQUACULTURE_PRACTICES	The Best Aquaculture Practices Certified (BAP Certified) mark on retail packaging tells consumers that seafood came from BAP certified aquaculture facilities. The Best Aquaculture Practices standards, developed by the Global Aquaculture Alliance, form the basis for BAP certification. The standards specifically protect biodiversity and worker rights within a program that addresses environmental, social, food safety and traceability issues throughout producers' operations.
BETER_LEVEN_1_STER	The one-star Beter Leven (better life) mark indicates that the product comes from a company that cares that animals are kept according to the minimal requirements for sanitation and wel-being for the cattle industry. See: http://beterleven.dierenbescherming.nl/1-ster
BETER_LEVEN_2_STER	The two-star Beter Leven (better life) mark indicates that the product comes from a company that provides for a higher wel-being of animals than that established by the minimal requirements for sanitation and wel-being for the cattle industry, yet the conditions are inferior to those of Biological-class products. See: http://beterleven.dierenbescherming.nl/2-sterren-
BETER_LEVEN_3_STER	The three-star Beter Leven (better life) mark is awarded to products that come from companies that excel in keeping animals according to top guidelines for Biological-class products. In some cases this mark is accompanied by an EKO indication. See: http://beterleven.dierenbescherming.nl/3-sterren-
BEWUSTE_KEUZE	Identifies non-staple or non-essential products (e.g. soup, candy, desserts, etc.) that offer more nutritional value or less contain less of potentially harmful ingredients (such as sugar, salt, fat) in comparison to similar items according to the guidelines of the Dutch Wetenschappelijke Commissie. See: http://www.ikkiesbewust.nl/
BIKO_TIROL	BIKo TYROL covers Genetically Modified-free milk production, AMA seal, quality Tyrol and beef labeling are controlled and certified. The Biko Tyrol operates in accordance with EN 45011 and is an accredited certification body
BIO_AUSTRIA_LABEL	Bio Austria is the Austrian Bio-network of Eastern organic farmers. Created from the former Association Harvest for Life
BIO_FISCH	ARGE Biofisch stands for criteria in rearing of fish according to agreed quality standards of organic fish farming in Austria.
BIO_LABEL_GERMAN	German national organic certification label (Bio-Siegel), see www.bio-siegel.de
BIO_RING_ALLGAEU	The logo of Bio-Ring Allgäu e.V. is issued by an association of consumers and organic farmers since 1987 with the aim to strengthen the organic farming in the region of Allgäu. Their focus is on the involvement of an independent, public welfare-oriented regional development processes in connection with the marketing of high quality regional agricultural products. The association represents the interests of producers, whose production in excess of the statutory requirements and their quality criteria based on a wide range of areas basic criteria (eco-certifications) and are the life cycle (raw materials, production and processing, disposal) take into account the products.
BIO_SUISSE_BUD_SEAL	Represents interests of Swiss organic farmers www.bio-suisse.ch
BIOLAND	The Bioland-Label (organic label) identifies products from organic farming. The production method based on a circular economy - without synthetic pesticides and synthetic chemical nitrogen fertilizer. The animals are kept humanely and the food will be processed carefully. The guidelines go beyond the EU criteria. The organic label is assigned by the Bioland association.
BIOLAND_ENNSTAL	The "organic farming Ennstal" was founded in 1989 as a regional initiative - today one in three farmers cultivated in Styria Liezen region its operation under the strict rules of organic farming.

Code Value	Definition
BIOS_KONTROLLE	The BIOS label ensures organic food that is not genetically modified and produced in accordance with environmental standards. The BIOS logo may be used for the labeling of certified organic products exclusively.
BLUE_ANGEL	The Blue Angel is awarded to companies as kind of a reward for their commitment to environmental protection. They use it to professionally promote their eco-friendly products in the market. The Blue Angel is an ecological beacon showing the consumer the way to the ecologically superior product and promotes environmentally conscious consumption. See: http://www.blauer-engel.de/en/index.php
BORD_BIA_APPROVED	The Bord Bia Approved logo is awarded to a company which has been audited by Bord Bia to verify that processes, from farm to fork, comply with the highest Quality Assurance Standards. These standards include: animal welfare, traceability, environment, safety, feed, water, testing, inspection, hygiene and good manufacturing practice. "Bord Bia Approved" is awarded to a company where all the ingredients including meat content satisfy the Bord Bia requirements. www.bordbia.ie
BORD_BIA_APPROVED_MEAT	Bord Bia Approved - Meat Content Only applies to companies where only the meat content satisfies certain conditions detailed in the Bord Bia requirements document. see http://www.bordbia.ie/industryservices/quality/Documents/Quality-Assurance-Scheme-Logo-GuidelinesV7.pdf for more details.
BRA_MILJOVAL_LABEL_SWEDISH	Bra Miljöval Bra Miljöval is the ecolabel of SSNC. It is referred to as "Good Environmental Choice" in English. SSNC started ecolabelling
BRITISH_DENTAL_HEALTH	A symbol used in the UK to indicate the dental health claims are clinically proven by the British Dental Health Foundation.
BSCI	Stands for Business Social Compliance Initiative, and aims to improve the working conditions in the supply chain around the world. It shows consumers that an article is produced according to ethical practices as regards working conditions.
CAC_ABSENCE_OF_ALMOND	The Absence of Almond mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_EGG	The Absence of Egg mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_MILK	The Absence of Milk mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_PEANUT	The Absence of Peanut mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products
CANADIAN_AGRICULTUAL_PRODUCTS	Products which are identified by the Canadian Agricultural Products (CAP) Act, e.g. dairy, eggs, fruits, vegetables, honey, maple, meat, poultry, fish. http://laws-lois.justice.gc.ca/eng/acts/c-0.4/page-6.html#h-8
CCA_GLUTEN_FREE	Gluten Free Certification Program is available to those manufacturers & brand owners who produce gluten-free products. Manufacturers must comply with regulations governing gluten-free claims as set out by the Canadian Government.

Code Value	Definition
CEBEC	CEBEC is a Belgian label for electrical low voltage (1,000 V). It indicates that compliance is met with the rules applicable to such equipment from the European Union (including the Low Voltage Directive).
CERTIFIED_ANGUS_BEEF	A package mark awarded to products that meet the certification criteria defined by Certified Angus Beef®
COMPOSTABLE_ DIN_CERTCO	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH offers the certification of compostable products of biologically degradable materials and assigns for this the label developed by the European Bioplastics (formerly Interessengemeinschaft biologisch abbaubare Werkstoffe e.V.)
COSMEBIO	COSMEBIO is the Professional Association for Natural, Ecological and Organic cosmetics. COSMEBIO federates the professional players in the industry and brings together over 390 members in France and abroad. Since 2002, COSMEBIO has been working to promote natural and ecological cosmetics made with ingredients from organic farming and developed using green technologies (green chemistry).
COTTON_MADE_IN_AFRICA	Cotton made in Africa is the first, and as yet the only initiative of the Aid by Trade Foundation. It improves the conditions of life of cotton farmers and their families in Africa, and contributes to environmental protection by promoting sustainable methods of cultivation.
CPE_SCHARREL_EIEREN	Eggs with this Dutch packaging mark are from chicken that are held according to certain quality standards.
CPE_VRIJE_UITLOOP_EIEREN	eggs with this Dutch packaging Mark are from chicken that have the possibility for free range in open air
CROSSED_GRAIN_SYMBOL	Crossed grain logo is a trademark owned and administered by Coeliac. It is a worldwide symbol for safe gluten-free foods. Each country has their own Coeliac website for example UK www.coeliac.org.uk
CSA_INTERNATIONAL	CSA International tests products for compliance to national and international standards, and issue certification marks for qualified products. Certification marks tell potential customers and users that a product has been evaluated by a formal process-involving examination, testing and follow-up inspection-and that it complies with applicable standards for safety and performance.
DEMETER_LABEL	Demeter International trademark for products of certified biodynamic production. www.demeter.net
DLG_AWARD	The DLG promotes product quality of foods on the basis of binding and impartial quality standards, based on current scientific findings and the recognised test methods it has developed.With its International Tests the DLG leads quality assessment in Europe and is accredited in accordance with international norms.
DLG_AWARD	DLG award in bronze, silver and gold.
DOLPHIN_SAFE	The Earth Island Institute monitors tuna companies around the world to ensure the tuna is caught by methods that do not harm dolphins and protect the marine ecosystem.
DZG_GLUTEN_FREE	The German Coeliac Society (Deutsche Zöliakiegesellschaft – DZG) was founded 1974. Today the DZG has more than 40,000 members. The aim is to help people with coeliac disease or with Dermatitis Herpetiformis Duhring. The organisation also try to increase the publicity of coeliac disease and to improve the living conditions for coeliacs in Germany.
EARTHSURE	Earthsure is the Ecolabel program of IERE. It provides environmental product declarations, or Environmental Product Declarations Much like a nutrition label the EPD shows some or all of the following impacts: climate change, depletion of the stratospheric ozone layer, acidification of land and water sources & other impacts.

Code Value	Definition
ECO_KREIS	Corresponds to printers and fax machines, for the health and environmental criteria audited by TÜV Rheinland: www.tuv.com.
ECO_LABEL_LADYBUG	This is a Finnish label used by the Organic union, which represents the entire Finnish organic industry, consumers and producers in a common interest group. They work as a neutral voice in various working groups and consultations, and prepare position papers and presentations. The Federation also organizes training events and professional seminars. The Organic Federation also publishes the magazine Organic.
ECO_LOGO	Founded in 1988 by the Government of Canada but now recognized world-wide, EcoLogoTM is North America's largest, most respected environmental standard and certification mark.
ECO_LOGO	Formerly known as Environmental Choice. North America's leading benchmark of environmentally responsible products and services.
ECOCERT_CERTIFICATE	ECOCERT is a certification body for sustainable development. Www.ecocert.com
ECOCERT_COSMOS_NATURAL	The COSMOS-standard certification was officially launched at the Biofach in February. The COSMOS-standard is a new cosmetic certification developed to harmonize various certifications and labels in order to create one standard that is internationally recognized for natural and organic cosmetics. The new certification is a result of Europe's leading natural cosmetic certifiers coming together and forming a non-profit association, COSMOS-standard AISBL
ECOCERT_COSMOS_ORGANIC	The COSMOS-standard certification was officially launched at the Biofach in February. The COSMOS-standard is a new cosmetic certification developed to harmonize various certifications and labels in order to create one standard that is internationally recognized for natural and organic cosmetics. The new certification is a result of Europe's leading natural cosmetic certifiers coming together and forming a non-profit association, COSMOS-standard AISBL
ECOGARANTIE	Ecogarantie is an international mark for ecological products. Ecogarantie has developed standards for cosmetics, personal care, washing- and cleaning products and salt. Consumers can rely on the fact that products with the Ecogarantie label, meet strict requirements whose goal it is to guarantee quality, safety and durability for generations to come.
ECOVIN	ecovin label certifies wines produced with ecological production methods based on the EU eco regulation.
EESTI_OKOMARK	Estonian Eco Label: Ministry of Agriculture Ökomärk (Label of Organic Food) www.agri.ee
EESTI_PARIM_TOIDUAINE	Best Food Association of Estonia Food Industry http://www.toiduliit.ee/. An organisation that supports and promote Estonian food industry and economy, and contribute to a balanced and appropriate ethics to members of a favourable business environment for development.
EKO	This symbol stands for organic production certified by Skal that meets the requirements of the EU-regulation for organic production. Skal is the inspection body for the organic production in the Netherlands.
ENEC	ENEC is a European high quality mark for lighting equipment and related products and stands for European Norms Electrical Certification. ENEC is an alternative to the national marks within the entire European Union. This mark eliminates a producer the need for a separate label in each individual country. Each European country there are 1 or more independent testing bodies that are appointed to issue the ENEC certification mark to a product.

Code Value	Definition
ENERGY_STAR	An international standard for energy efficient consumer products.ENERGY STAR is a voluntary government-backed program dedicated to helping individuals protect the environment through energy efficiency. The ENERGY STAR mark is the national symbol for energy efficiency, making it easy for consumers and businesses to identify high-quality, energy-efficient products, homes, and commercial and industrial buildings.
EPEAT_BRONZE	Electronic Product Environmental Assessment Tool
EPEAT_GOLD	Electronic Product Environmental Assessment Tool
EPEAT_SILVER	Electronic Product Environmental Assessment Tool
ERDE_SAAT	The label of Bioberband Earth & Seed indicates organic agriculture that interacts in a constructive and life-enhancing way with natural systems and cycles.
ERKEND_STREEK_PRODUCT	The Dutch mark Erkend Streekproduct indicates that the product and its ingredients come from a specific region. During production there has been attention for preservation and maintenance of characteristic values of the landscape and the environment.
EU_ECO_LABEL	The item is physically marked with the European Union Eco label a European environmental initiative supported by the European Commission.
EU_ENERGY_LABEL	The EU adopted the Directive 2010/30/EU on energy labels. Energy labels help consumers choosing products which save energy and thus money. They also provide incentives for the industry to develop and invest in energy efficient product design.
EU_ORGANIC_FARMING	New EU organic logo the EU introduced a new organic logo to ensure consumer protection and common standards. The EU organic farming logo offers consumers' confidence about the origins and qualities of their food and drink and its presence on any product ensures compliance with the EU organic farming. See www.organic-farming.europa.eu.
EXTREMELY_CLEAN	The package is physically marked as extremely clean which slightly lower level of cleanness than sterile is. This means that it is free from bacteria and other microorganisms to a level defined as extremely clean by the appropriate authorities of the target market.
FAIR_FOR_LIFE	Fair for Life Social & FairTrade Certification guarantees that human rights are guaranteed at any stage of production, that workers enjoy good and fair working conditions and that smallholder farmers receive a fair share. Fair trade improves the livelihood of thousands of smallholder farmers and workers by providing the means for social community projects and empowerment of people
FAIR_TRADE_MARK	The FAIR TRADE Mark certifies that products meet the social, economic and environmental International Fair trade Standards. The FAIR TRADE Mark is usually supported by a local Fair Trade Labelling Organisation and certifies products not companies. It does not cover the companies or organizations selling the product
FAIRTRADE_COCOA	The Fairtrade Cocoa Program enables companies to buy Fairtrade cocoa in bulk, for example all the cocoa they need to produce their chocolate bars, cakes and biscuits. Companies can also commit to purchase a percentage of their total cocoa as Fairtrade, such as 10%, 30% or even all the cocoa they need.
FAIRTRADE_COTTON	For an item to bear the FAIRTRADE Cotton Mark, that cotton is tracked all the way from farm to shop shelf: that makes it fully traceable, but it's a long, complex process. Companies can buy Fairtrade cotton in bulk, mixing it with other cotton and fibres as needed. That way they can really increase the amount of Fairtrade cotton they buy, to 10%, 20%, 40% of their business, or even more.
FAIRTRADE_SUGAR	The Fairtrade Sugar Program, businesses can buy this sugar on Fairtrade terms and use it in their manufacturing. It's a new way for businesses to commit to Fairtrade, alongside labelling and certifying end consumer products with the FARTRADE Mark.

Code Value	Definition
FALKEN	Not Available
FEDERALLY_REGISTERED_INSPECTED_CANADA	Federally Registered/ Inspected in Canada
FINNISH_HEART_SYMBOL	The heart symbol to inform the consumer at one glance that the product marked with this symbol is a preferred choice in its product group with regard to fat and sodium. Finnish Heart Association www.sydanmerkki.fi
FLAMME_VERTE	"Flamme Verte label was launched in France in 2000 by l'Agence de l'Environnement et de la Maîtrise de l'Energie (ADEME), and manufacturers of household appliances. Its mission: to promote the use of wood processing heating appliances of which the design responds to the most demanding quality in terms of fuel efficiency and emissions. In addition, Flamme verte provides assurance that its products are environmentally friendly by emitting very few fine particles."
FOODLAND_ONTARIO	Foodland Ontario is a consumer promotion program of the Ontario Ministry of Agriculture and Food. It has partnered with producers to champion, promote and support the consumption of fresh Ontario produce and processed agricultural foods.
FOREST_STEWARDSHIP_COUNCIL_100_PERCENT	FSC is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. The 100% label stands for products containing 100% material from FSC certified forests.
FOREST_STEWARDSHIP_COUNCIL_LABEL	The item is physically marked with the Forest Stewardship Council label.
FOREST_STEWARDSHIP_COUNCIL_MIX	FSC is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. Products with material from FSC certified forests , recycled materials or other controlled sources
FOREST_STEWARDSHIP_COUNCIL_RECYCLED	FSC is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. The label stands for products containing only recycled material.
FOUNDATION_ART	"The Foundation ART has the aim to increase the level of anti-theft prevention of two-wheeled vehicles (bicycles, mopeds, scooters and motor cycles). Anti-theft prevention of two-wheeled vehicles can be promoted by influencing social behaviour, registration and tracing, guarded shelters and anti-theft provisions. The activities of Foundation ART are focussed on (mechanical) anti-theft provisions. The Foundation ART promotes the safety provisions against theft by: •arranging requirements for mechanical security systems for two-wheeled vehicles •testing (by third parties) of systems for which an application for homologation was submitted •certification of approved products •promoting the use of approved mechanical security systems
FRANCE_LIMOUSIN_MEAT	France Limousin meat is meat that is constantly monitored from birth to slaughter. Every animal has it's own unique registration number and when exported is assigned an official certificate of origin
FREILAND	FREILAND The yellow triangle with the flower is only awarded to food and firms that adhere strictly to the principles of organic farming and beyond the highest standards of animal husbandry
FRIEND_OF_THE_SEA	Friend of the Sea Approved Fisheries: - target stocks which are not overexploited - use fishing methods which don't impact the seabed, and - generate less than average 8% discards.
GAA	Gäa is a diverse farming association for farmers, processors and traders inside.Focal point is Germany. Gäa is a special design for the structure of the organic farming.

Code Value	Definition
GASKEUR	Gaskeur is a hallmark of KIWA. The label is applied voluntarily in the Netherlands to boilers. It indicates the additional standards the installation complies with, above the legal requirements that the equipment must meet. It is an addition to the CE mark.
GASTEC	GASTEC QA (Quality Approved) is a quality mark for gas related products and is issued exclusively by KIWA. GASTEC QA not only makes the quality and safety of the product itself visible but also of the whole production process.
GENUSS_REGION_AUSTRIA	GENUSS REGION ÖSTERREICH is an initiative of the Agrarmarkt Austria Marketing GesmbH. and the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management. It stands for domestic and regional agricultural products and specialities.
GEPRUEFTE_SICHERHEIT	The Geprüfte Sicherheit ("Tested Safety") or GS mark is a voluntary certification mark for technical equipment. It indicates that the equipment meets German and, if available, European safety requirements for such devices.
GEZONDE_KEUZE_KLAVERTJE	Health symbol used in the Netherlands Target Market which indicates that the item is a cholesterol-reducing product.
GEZONDERE_KEUZE	Identifies basic staple products (such as fruit, milk, bread, etc.) that constitute a healthier choice for consumers because of their higher nutritional value in comparison to similar products according to the guidelines of the Dutch Wetenschappelijke Commissie. See: http://www.ikkiesbewust.nl/
GLOBAL_GAP	GLOBALG.A.P. is a private sector body that sets voluntary standards for the certification of production processes of agricultural (including aquaculture) products around the globe. The GLOBALG.A.P. standard is primarily designed to reassure consumers about how food is produced on the farm by minimising detrimental environmental impacts of farming operations, reducing the use of chemical inputs and ensuring a responsible approach to worker health and safety as well as animal welfare.
GLOBAL_ORGANIC_TEXTILE_STANDARD	The Global Organic Textile Standard (GOTS) ensure organic status of textiles, from harvesting of the raw materials, through environmentally and socially responsible manufacturing up to labelling in order to provide credible assurance to the consumer.
GMO_MARKED	The item is physically marked as of genetically modified origin.
GOODS_FROM_FINLAND_BLUE_SWAN	http://www.finfood.fi/ Finfood Suomen Ruokatieto Ry
GREEN_DOT	Not Available
GREEN_RESTAURANT_ASSOCIATION	The item is physically marked with the Green Restaurant Association Endorsed symbol.
GREEN_RESTAURANT_ASSOCIATION_ENDORSED	The item is physically marked with the Green Restaurant Association Endorsed symbol.
GREEN_SEAL	The item is physically marked with the Green Seal Certified symbol.
GREEN_SEAL_CERTIFIED	The item is physically marked with the Green Seal Certified symbol.
GUARANTEED_IRISH	Ireland: The Guaranteed Irish symbol makes shopping for Irish products and services a lot easier. Shoppers know that when they buy a product or service featuring the guaranteed Irish logo they are supporting Irish companies and safeguarding Irish jobs. http://www.guaranteedirish.ie/
HALAL_CORRECT	The standard HALAL CORRECT is a standard quality and guarantees the Halal conformity of the whole chain, from slaughtering until the packaging of the Halal products.
HALAL_PLUS	The standard HALAL PLUS is high-quality Halal, certified by the Foundation Halal Correct and biologically certified by SKAL.

Code Value	Definition
HEALTH_CHECK	Specifies if product has been certified by Canadian Heart & Stroke Health Check Program.
HEUMILCH	ARGE Heumilch: Milk production of "hay milk" is the most natural form of milk production. Products that use "Hay Milk" in their production are awarded the certification label. Hay milk is milk that no animals feed from food that is from silage (fermented feed) is produced. The feeding is the natural course of the year: summer up to 50 different types of grasses and herbs in the meadows, pastures and meadows. In winter, the animals are fed with hay and grain meal, are just some examples of the guidelines. Heumilch from Austria is made according to a strict regulations. This is monitored by independent authorities. The AMA seal of approval guarantees 100% Austrian raw materials.
ICADA	The ICADA (International Cosmetic and Detergents Association) mark makes it for the consumer visible that only raw materials were used for the production of organic and natural cosmetics, which conform to the strict requirements.
ICEA	ICEA (Instituto Certicazione Etica e Ambientale, Environmental and Ethical Certification Institute) is a Consortium that control and certifies companies that carry out their activities in respect of people and nature, defending workers dignity and rights of consumers. ICEA is among most important bodies of the sector in Italy and in Europe, where it operates to favour a fair and socially sustainable development that ranges from organic farming to other bio related sectors.
ICELAND_RESPONSIBLE_FISHERIES	The Iceland Responsible Fisheries logo indicates Icelandic origin of fish catches in Icelandic waters and responsible fisheries management.
IHTK_SEAL	Cosmetics according to the guidelines of the German Society for the Prevention of Cruelty to Animals (Deutscher Tierschutzbund e. V.) The German Society for the Prevention of Cruelty to Animals and the International Manufactory Association against Animal Testing in Cosmetics (IHTK e. V.) carry on their consequent work against animal testing in 2001 http://www.ihtk.de/ihtk-en.htm
IKB_EIEREN	IKB egg is a Dutch quality system for the production of eggs
IKB_KIP	The Product Board for Poultry and Eggs has registered the IKB Chicken quality mark with the Benelux Trademarks Office,for the purpose of recognisability of rigorously inspected, quality poultry meat, produced and handled in conformity with the regulations of the IKB Chicken certification scheme stipulated by the management of the Product Board for Poultry and Eggs.
IKB_VARKEN	products produced within the Dutch quality system IKB pig come from companies that are checked with regard to their use of animal feed, use of animal medication, hygiene and transportation
INSTITUT_FRESENIUS	This INSTITUT FRESENIUS Quality Seal on a package, certify, that this item is a quality product that consumer can trust in. That's because Fresenius thoroughly examine products, that indicates it is high-class quality. The main focus on food products and related cooking products.
INT_PROTECTION	"The IP Code (International Protection Rating, sometimes called Ingress Protection) on electrical appliances is an indication of the degree of protection of the design of electrical and electronic equipment against internal damage in ""hostile environments"" and against any danger to the user. The IP designation is internationally standardized in IEC 60529. The IP designation has two numbers: the first indicates the degree of protection against contact and ingress of objects, the second indicates the degree of protection against moisture. Companies can use their own logo."
ISEAL_ALLIANCE	ISEAL is the global association for sustainability standards. They develop guidance and facilitate coordinated efforts to improve their members' effectiveness and scale up their social and environmental impacts.

Code Value	Definition
IVN_NATURAL_LEATHER	"Naturleder" is an IVN (Internationaler Verband der Naturtextilwirtschaft e. V.) standard. This is the only standard for eco-friendly leather products in Europe. All products certified with this standard offer a high level of ecology and quality.
IVN_NATURAL_TEXTILES_BEST	This IVN (Internationaler Verband der Naturtextilwirtschaft e. V.) quality seal, well known within Europe, currently sets the strictest ecological standard for textile production at the highest technical level currently feasible. BEST reflects the standards for eco-friendly textiles developed by the International Association of Natural Textile Industry (IVN) since 1990 and reviews the entire textile production chain both in terms of ecological standards and in terms of social accountability.
JODSALZ_BZGA	The "Jodsiegel" were built up by the Federal Centre for Health and Education (BZgA) on behalf of the Federal Ministry of Health. The seal is provided on packages of products by the food manufacturer, when the products made with iodized salt. With the help of the label, consumers can see the use of iodized salt directly. The logo is part of a series of awareness campaigns BZgA together with the Arbeitskreis Jodmangel (working group of iodine deficiency), which aim to make the use of iodized salt to a rule.
KABELKEUR	Kabelkeur is the quality mark for television and television cables, splitters and amplifiers and is an initiative of the industry association of the Dutch NLkabel cable companies. The purpose of this label is to increase the quality of television and television accessories.
KAT	KAT is a supervisory body in hen rearing and provides for quality and traceability in egg production. The required standards by KAT go beyond the legal requirements of organic, floor and free-range rearing. They are controlled by accredited European examining institutes.
KEMA_KEUR	KEMA quality mark is a household name in the Netherlands and is based on international standards for electrical safety. It is recognized throughout Europe.
KIWA	The KIWA quality mark applies mainly to the (construction) technical qualities of a product and, depending on the product, environmental aspects . The KIWA label is mainly reflected on products from the construction sector, specially from the drinking water supply such as pipes, fittings and faucets.
KOMO	The KOMO-quality mark is a collective mark of quality with a focus on products in the construction and installation sector and requires quality, environmental and safety aspects for the Dutch market. The trademark KOMO covers several quality marks for specific sectors (KOMO- reduction, KOMO install and KOMO climb-label). The Foundation KOMO manages the labels and the KOMO-quality certificates are submitted by certification settings.
KRAV_MARK	The KRAV-label is a registered Swedish brand. Only the companies that are authorised by an accredited certification body may use the name KRAV or the KRAV-label on a product. The label shall always be accompanied by the name of the producer. This is to preserve the credability of the organically produced products.
KVBG_APPROVED	The Royal Association of Belgian Gas companies (ARGB) unites the natural gas suppliers and distribution system operators who are active in Belgium. The Association's role is to ensure the safety and good functioning of natural gas lands as well as to promote a good image for the use natural gas.
LABEL_OF_THE_ALLERGY_AND_ASTHMA_FEDERATION	Allergy and Asthma Federation is a non-profit public health organisation. Our aim is to improve quality of life of the allergy and asthma patients. http://www.allergia.fi/in-english/
LABEL_ROUGE	Label Rouge products guarantee that the poultry and eggs you purchase are superior to standard products because they are produced using traditional, free-range farming methods that ensure the poultry's welfare and protect the environment.

Code Value	Definition
LACON	Lacon Institute stands for the assurance of quality and the certification of organically produced food.
LAENDLE_QUALITAET	The logo stands for regional and domestic products which are produced, processed and prepared in a given geographical area using recognised quality standards. Only local products with 100 percent guarantee of origin are given this seal. It is given not only the green Ländle brand products but also other products that keep clearly defined in writing and retained quality guidelines.
LEAPING_BUNNY	The Coalition for Consumer Information on Cosmetics' (CCIC) Leaping Bunny Program administers a cruelty-free standard and the internationally recognized Leaping Bunny Logo for companies producing cosmetic, personal care, and household products. The Leaping Bunny Program provides the best assurance that no new animal testing is used in any phase of product development by the company, its laboratories, or suppliers. See also www.leapingbunny.org
LGA	According to the LGA (Landesgewerbeanstalt Bayern) directive, checks are done on security, features, usability, performance, electromagnetic compatibility (EMC) and hygiene of various products. The LGA has become part of TÜV, this quality mark is therefore issued by TÜV.
LOODUSSOBRALIK_TOODE_ESTONIA	Eco-friendly product The sign "eco-friendly product" is designed to make environmentally friendly products on store shelves more as significant. When it comes to food shall be used for agriculture, natural farming methods. No use of mineral fertilizers, insect control and plant poisons. http://www.stockmann.ee/portal/7765/
LOVE_IRISH_FOOD	Love Irish Food - a promotional label printed on the product packaging to indicate to the consumer that the food is manufactured in Ireland using Irish ingredients. http://www.loveirishfood.ie/
LVA	The Lebensmittel Vertrauen Analsen LVA is ISACert ISACert Austria as partner of the globally successful certification company. ISACert the leading certifier is in the area of food safety.
MADE_IN_FINLAND_FLAG_WITH_KEY	Made in Finland Products that are made in Finland Avainlippu (Key Flag) Suomalaisen Työn www.avainlippu.fi
MARINE_STEWARDSHIP_COUNCIL_LABEL	The MSC is the world's leading certification and ecolabelling program for sustainable seafood. Look for the blue MSC ecolabel when shopping or dining out. The item is physically marked with the Marine Stewardship Council label.
MAX_HAVELAAR	Fair trade symbol used in the Netherlands Target Market awarded to manufacturers which contribute to improving the living and working conditions of small farmers and agricultural workers in disadvantaged regions.
MEHR_WEG	Mehrweg platform for the promotion of Austrian refillable beverage containers and returnable transport packaging. In addition to the website as an information center and forum for discussion mehrweg.at is targeted lobbying activity for reuse systems.
MILIEUKEUR	Products and services with Milieukeur are produced with a lower impact on the environment and respect for working conditions, animal welfare and food safety. This is applicable for the Dutch market
MUNDUSVINI_GOLD	The "GOLD" award of the Great MUNDUS VINI International Wine Awards.At least 90 points must be achieved in the judging of the wines by the international jury. Only the wines achieving the highest number of points in this range will receive the gold medal. This means that the minimum number of points required for this award may be higher.

Code Value	Definition
MUNDUSVINI_SILVER	The "SILVER" award of the Great MUNDUS VINI International Wine Awards.At least 85 points must be achieved in the judging of the wines by the international jury. Only the wines achieving the highest number of points in this range will receive the gold medal. This means that the minimum number of points required for this award may be higher.
MY_CLIMATE	The non-profit foundation myclimate – The Climate Protection Partnership, is an international initiative with Swiss origins. Founded in 2002 as an ETH Zurich spinoff, myclimate is among the world leaders when it comes to voluntary carbon offsetting measures.
NATRUE_LABEL	The NATRUE Label guarantees that the products that carry it are made only with natural and organic ingredients, through soft manufacturing processes and environmentally friendly practices. The NATRUE Label is awarded by NATRUE, a non-profit organisation committed to promote and protect high standards of quality and environmental integrity. See: http://www.natrue.org/home/
NATUREPLUS	Natureplus is the international label of quality for all building and accommodation products, which provides an orientation towards sustainability for all those involved in the building process. Products which carry this label are characterised by their high level of quality in the areas of health, the environment and functionality.
NATURLAND	Naturland promotes organic agriculture the world over and its 53,000 members make it one of the major organic farming associations. As a forward-looking association, Naturland attributes the same importance to issues of social responsibility as to organic expertise.
NATURLAND_FAIR_TRADE	Naturland established in 2005 with its social standards. It now has erected a third pillar of sustainability to provide added support to our organic association's holistic concept: International partners can apply for certification to Naturland for fair trade standards in the course of their annual organic inspection.
NEULAND	The Neuland logo marks meat and meat products which have humane and environmentally friendly livestock origin. The high demands of the marking based on guidelines, which include among others criteria on housing, feeding and transporting the animals. The seal was founded in 1988, by the Verein für tiergerechte und umwelt-schonende Nutztierhaltung e. V. Sponsors by BUND and the Arbeitsgemeinschaft Bäuerliche Landwirtschaft.
NF_MARQUE	The NF mark is a French collective certification mark. It guarantees the quality and safety of the products and services certified. The NF mark guarantees compliance not only with current standards, but also with additional quality criteria that meet consumers' needs.
NYCKELHALET	The green key hole is to be put on the healthy foods in Sweden, Denmark, and Norway within certain product groups in order to make it easier for the customers to make a healthy choice. http://www.norden.org/
OEKO_CONTROL	ÖkoControl is a subsidiary of the Europäischen Verbands ökologischer Einrichtungshäuser e.V., in which about 50 ecologically engaged furniture dealers have joined forces. The objective of this eco-leading group is to provide consumers, retailers and manufacturers with more safety in a healthy living. With ÖkoControl the association has created a powerful tool to control the products offered.
OEKO_KREISLAUF	Ökologischer Kreislauf Moorbad Harbach The label marks agricultural products grown organically that progress towards an entire organic production chain, which is both socially just and ecologically responsible.
OEKO_QUALITY_GUARANTEE_BAVARIA	Öko Qualität Garantiert Bayern is for products of organic farming origin in Bavaria a regional eco-label organic quality guaranteed Bavarian. This is maintained by Bayerisches Staatsministerium für Ernährung, Landwirtschaft und Forsten (StMELF)

Code Value	Definition
OEKO_TEX_LABEL	Confidence in textiles – this has been the motto of the independent test institutes of the International Oeko-Tex® Association since 1992, with their tests for harmful substances according to Oeko-Tex® Standard 100 for textile products of all types which pose no risk whatsoever to health. See www.oeko-tex.com
OFFICIAL_ECO_LABEL_SUN	Luomo Sun Sign Denotes controlled organic production. The official label of the Finnish inspection authorities; owned by the Ministry of Agriculture and Forestry. http://opetus.ruokatieto.fi/
OHNE_GEN_TECHNIK	VLOG controls the "Ohne GenTechnik" product seal (GM-free, produced without genetic engineering). The "Ohne GenTechnik" seal enables consumers to choose foods that have been produced without genetic engineering and to support GM-free agriculture.
OKOTEST	Ökotest is a magazine that tests product for of the health risks, side effects environmental impact. They issue labels to products which have passted their tests for safety and publsih results in their magazine.
ORBI	ORBI Organic Bio is a community of farmers to enhance organic agriculture and is the pioneer group of organic-organic farming in Austria
OZONE_FRIENDLY_GENERAL_CLAIM	A mark or label on a trade item communicating that the trade item itself, associated production processes and/or packaging do not produce gases that are harmful to the ozone layer during the trade item's entire life cycle. There is currently no standard definition for the term. There is no organization independently certifying this claim. The producer or manufacturer decides and self-declares to use the claim and is not free from its own self-interest.
PEFC	Programme for Endorsement of Forest Certification (PEFCC_ is an international non-profit, non-governmental organisation dedicated to promoting Sustainable Forest Management (SFM) through independent third-party certification
PEFC_CERTIFIED	PEFC Programme for the Endorsement of Forest Certification Schemes. PEFC Certified = at least 70% of wood from PEFC-certified forests that meets or exceeds PEFC's Sustainability Benchmark requirements and recycled material; and wood from controlled sources. The overall content of recycled material shall not be higher than 85%. Where the product does not include recycled material, the label claim shall be used without the world 'recycled'.
PEFC_RECYCLED	PEFC Programme for the Endorsement of Forest Certification Schemes. PEFC Recycled = at least 70% PEFC certified material from recycled sources; and wood from controlled sources.
PET_TO_PET	PET to PET stands for a company responsible for the recycling of PET bottles.
PRODERM	proDERM address manufacturers of high quality products who do not fear an intense test.To meet qualification a the formula must meet current dermatological and toxicological standards. And the product must have been tested in two independent studies. These would usually be a consumer orientated study (i. e. a Use-test in which the products are self-applied at home) and a tolerability study (a patch test appropriate for the product)
PROTECTED_DESIGNATION_OF_ORIGIN	The Protected designation of origin is the name of an area, a specific place or, in exceptional cases, the name of a country, used as a designation for an agricultural product or a foodstuff, the entire product must be traditionally and ENTIRELY manufactured (prepared, processed AND produced) within the specific region and thus acquire unique properties. Protected Geographical Status (PGS) is a legal framework defined in European Union law to protect the names of regional foods.

Code Value	Definition
PROTECTED_GEOGRAPHICAL_INDICATION	The Protected geographical indication is the name of an area, a specific place or, in exceptional cases, the name of a country, used as a description of an agricultural product or a foodstuff, the entire product must be traditionally and at least PARTIALLY manufactured (prepared, processed OR produced) within the specific region and thus acquire unique properties. Protected Geographical Status (PGS) is a legal framework[1] defined in European Union law to protect the names of regional foods.
PROTECTED_HARVEST_CERTIFIED	The item is physically marked with the Protected Harvest Certified symbol.
PROVEN_QUALITY_BAVARIA	The quality label "Geprüfte Qualität Bayern" is featuring agriculture and food industry of Bavaria. Support of the signby the State of Bavaria, represented by the Bavarian State Ministry for Food, Agriculture and Forestry. The Ministry decides on the granting of licenses. The aim of the quality label is agricultural produce economic and nutritional products of high quality.
PUHTAASTI_KOTIMAINEN	Seed leaf flag indicates vegetables, berries and flowers of Finnish origin. Its license is granted and monitored by the Finnish Horticultural Products Society. Products will be first-class quality and from environmentally friendly farming. Product quality is also monitored in stores. Vegetable products in connection with any vegetable raw material must be Finnish. www.sirkkalehti.fi
QS	QS is a quality assurance scheme for fresh foodstuffs that involves all participants in the food industry – from farm to shop. By inspecting and integrating the entire supply chain, the QS certification mark creates the basis for increased food safety and well-founded trust from the consumers.
QUALITY_MARK_IRELAND	Control IMO Organic farming is an alternative, environmentally friendly method of food production. It forbids the use of chemicals and requires production methods that respect animal welfare and do not damage the environment. The term 'organic' can only be used on food labels in Ireland if the food product meets strict Irish and EU organic standards and is licensed by an approved certification body.
QUALITY_RHOEN	The logo represents the regional Rhön products. The products with this sign has a regional origin and quality of agricultural products and services on the basis of criteria the partially extend beyond legal requirements and came from this typical area.
RAINFOREST_ALLIANCE	The item is physically marked with the Rainforest Alliance Certified symbol.
RAL_QUALITY_CANDLES	This RAL (Reichs-Ausschuss für Lieferbedingungen) quality mark indicates, that the trade item complies with the standard of the of the Quality Association for Candles in terms of raw materials, burning duration and burning behavior. Compliance with these standards is monitored by DEKRA Umwelt GmbH.
RECUPEL	Recupel strives in Belgium for a better environment through optimal recovery of materials from waste of electrical devices. Recupel ensures that waste of electrical appliances are collected and processed in a sustainable and cost-effective manner.
RECYCLABLE_GENERAL_CLAIM	A generic Recycling codes are used to identify the material from which an item is made, to facilitate easier recycling or other reprocessing.Multiple agencies use this design.
REGIONALFENSTER	Products that bear the "Regionalfenster" for food, ensure greater transparency. Consumers can identify with the logo at a glance which foods actually come from the region indicated on the packaging. This gives consumers a nationwide uniform and reliable identification of regional products. The initiative was started by Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz (BMELV).

Code Value	Definition
REGIONALTHEKE_FRANKEN	The logo "Regionaltheke Franken" identifies products by Frankish farmers and documented to be of regional origin and quality of agricultural products and services in this area. The quality criteria go in relation to the proof of origin partly legal specifications as well. The logo is pursuing a criteria and control system for regional products with the involvement of the Bundesverbands der Regionalbewegungen.
RHP	This quality mark is managed by the Foundation RHP. RHP optimizes and secures the quality of peat products, raw materials, potting soil compositions, substrates, soil supply and soil improvers.
SCHARRELVLEES	A symbol used in the Netherlands Target Market intended for meat based products which guarantees that the animals has been growth without the use of antibiotics.
SCHLESWIG_HOLSTEIN_QUALITY	The label of the Chamber of Agriculture Schleswig-Holstein. All foods with this award are reviewed serveral times during a year by independent laboratories. Since product quality is closely linked to the process quality, the laboratories are testing the overall business as well. Through these measures, the requirements are met in terms of quality and taste of the label products.
SGS_ORGANIC	SGS Our services enable companies to operate in a more sustainable manner by improving quality and productivity, reducing risk, verifying compliance and increasing speed to market.
SKG_CERTIFICATE	SKG is the independent institute in the Netherlands for testing and certification for the building industry.
SLG_CHILD_SAFETY	SLG Sächsische Landesgewerbeförderungsgesellschaft mbH Distinguishes products that protect children from danger or indicates that no danger for the children comes from the product
SLG_TYPE_TESTED	The SLG (Sächsische Landesgewerbeförderungsgesellschaft mbH) Testing and Certification GmbH is a family-owned company. Industrial enterprises, commercial, private and public clients appreciate our neutral and independent services. We offer our customers a comprehensive range of testing and inspection services.
SLK_BIO	SLK GmbH The aim of organic agriculture is to fullfil standards which emphasise careful processing methods, limited refining, energy saving technologies, minimal use of additives and processing aids etc.
SOIL_ASSOCIATION_ORGANIC_SYMBOL	The Soil Association Organic Symbol is a symbol used in the UK to show that products meet a strict set of organic standards that protect health, sustainability and the environment.
STIFTUNG_WARENTEST	A consumer test organization was founded in 1964 by decision of the German Bundestag to the consumer through the comparative testing of goods and services to provide independent and objective assistance.
STOP_CLIMATE_CHANGE	AGRA-teg agricultural and Umwelttechnick GmbH is a spin-off undertaking of the University of Goettingen and criteria according to strict scientific carries out the survey of emissions from a product line or from a company as a whole.
SUS	The pork-labeling system "sus" makes it possible for consumers to pursue the path of the product without a long investigation. Sus stands for the tracebility from birth to slaughter of pork.
SUSTAINABLE_FORESTRY_INITIATIVE	SFI Inc. is an independent, non-profit organization responsible for maintaining, overseeing and improving a sustainable forestry certification program that is internationally recognized and is the largest single forest standard in the world.
SUSTAINABLE_PALM_OIL_RSPO	In response to the urgent and pressing global call for sustainably produced palm oil, the Roundtable on Sustainable Palm Oil (RSPO) was formed in 2004 with the objective of promoting the growth and use of sustainable oil palm products through credible global standards and engagement of stakeholders. http://www.rspo.org/"

Code Value	Definition
SVANEN	The swan is the Nordic environmental label. It was established by the Nordic Council of Ministers in 1989 and Denmark joined in 1997. The Swan is used in all Nordic countries, i.e. Denmark, Norway, Sweden, Finland and Iceland.
SVENSK_ FAGEL	From the year 2006 include all Swedish chicken and turkey that is part of Swedish Bird with a clear blue and yellow markingsThe Swedish Poultry Meat Association represents 99 % of all broilermeat production in Sweden. They represent the total logistic chain i e from import of day-old Grand-Parent chickens to the slaughterplants. The hatcheries, growers and feed-companies are also members. The Blue and Yellow origin mark guarantees that the chicken is hatched, reared, slaughtered and processed in Sweden.
SVENSKT_KOTT	The brand Swedish meat is a voluntary origin labeling. The mark indicates that the meat product derived from animals that were born and raised in Sweden. The product is also manufactured and packaged in Sweden. The mark may be used on meat and meat products derived from raw pork, beef and lamb. The trade organization Swedish meat is a brand independent organization that develops, manages and controls the voluntary origin labeling Swedish meat.
SWEDISH_SEAL_OF_QUALITY	The item is physically marked with the Swedish Seal of Quality label which intends to guarantee the responsibility for the environment of the product.
TCO_DEVELOPMENT	A Swedish company that certifies products and services to provide a better environment.
TIERSCHUTZBUND	TIERSCHUTZBUND The logo "for more animal welfare" indicates supermarket meat that comes from animals from conventional attitude, but were held in better conditions than those required by the law. The intention of this logo is to close the gap between industrial animal husbandry and meat from organic farms.
TNO_APPROVED	TNO awards the TNO label to various products in the Netherlands which meet high standards of sustainable innovation.
TOOTHFRIENDLY	A symbol to indicate the product is safe to teeth - non-cariogenic and non-erosive by the Institutes licensed by Toothfriendly International.
TRADITIONAL_SPECIALTY_GUARAN TEED	The Traditional specialty guaranteed is a trademark for an agricultural product or a foodstuff, which has a certain feature or a set of features, setting it clearly apart from other similar products or foodstuffs belonging to the same category. The product or foodstuff must be manufactured using traditional ingredients or must be characteristic for its traditional composition, production process, or processing reflecting a traditional type of manufacturing or processing.
TUEV_GEPRUEFT	German label for food safety. The TÜV SÜD as a recognized, neutral testing agency, with its mark both for trading partners and consumers is an important decision-making aid.
TUNNUSTATUD_EESTI_MAITSE	Approved Estonian Taste - Quality/Tradition/Origin/Traceability for Estonian products. All raw materials must be 100% Estonian. Estonian Chamber of Agriculture and Commerce
TUNNUSTATUD_MAITSE	Approved Taste label (designed as a barn swallow) denoting Estonian origin and high quality was introduced. This label has been given to products for Food quality and safety. Estonian Chamber of Agriculture and Commerce (ECAC) www.epkk.ee
UMWELTBAUM	Conformity with Umweltbaum (The Environment Tree)'s standard is verified by an independent organization (third party). Applicable life cycle and supply chain phases Social and environmental attributes Mutual recognition with other ecolabels Standard details, including standard document, review frequency
UNDERWRITERS_LABORATORY	The source across the globe for product compliance.

Code Value	Definition
UNIQUELY_FINNISH	Uniquely Finnish http://www.maakuntienparhaat.fi/en/ The Uniquely Finnish label is a national quality label for small entrepreneurs. ProAgria Association of Rural Advisory Centres grants the label to qualified foodstuff, handicraft and rural tourism companies based on applications.
UNSER_LAND	The regional seal ""Unser Land"" (Our Country) documented regional origin and quality of agricultural products and services based on criteria that go beyond legal requirements. They take into account the strengthening of regional economic cycles in cooperation with all relevant actors work towards a common good regional solidarity economy.
USDA	US Department of Agriculture
USDA_ORGANIC	The U.S. Department of Agriculture has put in place a set of national standards that food labeled products must meet, whether it is grown in the United States or imported from other countries.
UTZ_CERTIFIED	A certification which is intended to assure the social and environmental quality in the production of coffee, tea, cocoa beans, palm oils and other commodities. Products made with these ingredients may be marked with this certification.
VAELG_FULDKORN_FORST	Grain based foods (bread, breakfast products, baking articles etc.) which have got a high content of whole grain will be puffed with a nutritional puff from the beginning of 2009: Please choose whole grain first! Denmark http://www.fuldkorn.dk/
VDS_CERTIFICATE	VdS (Vertrauen durch Sicherheit) is an independent and recognized German inspection and certification agency for fire and burglary. Whether it is a safe in a company, a sprinkler system in a production hall or a smoke detector in a house: VdS examines to the smallest detail.
VEGAN_SOCIETY_VEGAN_LOGO	The Vegan logo is a registered trademark and is a symbol of our Vegan 'Animal-free' Standards. It appears on thousands of animal free products, and is displayed by catering businesses, that have been registered with The Vegan Society.
VEILIG_WONEN_POLITIE_KEURMERK	The Dutch "Politie Keurmerk Veilig Wonen" quality mark focuses on the prevention of intrusion in homes or buildings. The quality mark is given to locks by means of stars in which the burglar resistance is specified in minutes. Incidentally this label covers not only locks but also mirrors, smoke detectors and lighting fixtures.
WEIDEMELK	A certification given in the Netherlands to dairy products made from milk produced by cattle (bovine) that is allowed to roam free in the pasture for at least a minimum of 120 days in a year.
WHOLE_GRAIN_COUNCIL_STAMP	Canadian products must contain at least 8 g of whole grain per serving to bear the Whole Grain Stamp. All requirements for using the Basic Stamp are the same in the U.S. and in Canada.
WWF_PANDA_LABEL	Products that support the WWF http://www.worldwildlife.org/

3.34   PartyRoleCode List

These are the code values managed by GS1 when populating the attribute partyRoleCode. GDSN utilizes a GS1 managed code list which can be utilized for a several different attributes as related to the attribute contactTypeCode.

The partyRoleCode list is a shared code list that is also utilized by EDI and eCom messages. While any type of contact can be sent via GDSN, some are more appropriate for GDSN (and vices versa).

List Name	PartyRoleCode
Attribute(s)	Company Name (Brand Owner) (2 of 4) -- partyRoleCode Company Name (Information Provider) (2 of 4) -- partyRoleCode Company Name (Manufacturer) (2 of 4) -- partyRoleCode For More Information (Contact Information) (1 of 13) -- partyRoleCode

Code Value	Definition	Note
BRAND_OWNER	The organisation that owns the specifications of the Party regardless of where and by whom it is manufactured is normally responsible for the allocation of the Global Trade Item Number (GTIN).	Brand Owner (GDSN)
INFORMATION_PROVIDER	The Party providing the information contained in the document.	Information Provider (GDSN)
MANUFACTURER_OF_GOODS	Party who manufactures the goods.	Manufacturer (GDSN)
BREEDER	The party which breeds the animal.	Other Contact (GDSN)
CUTTER	One engaged in carving meat (In EANCOM as Meat Cutter).	Other Contact (GDSN)
DISTRIBUTOR	Party distributing goods, financial payments or documents.	Other Contact (GDSN)
FATTENER	The Party which fattens the animal.	Other Contact (GDSN)
GROWER	A party which is responsible for the growth or production of the unit specifically refers to vegetation. This organization may or may not be a producer or packer.	Other Contact (GDSN)
MANUFACTURING_PLANT	A physical location consisting of one or more buildings with facilities for manufacturing.	Other Contact (GDSN)
ACCEPTING_PARTY	Party accepting goods, products, services etc.	Not used for FS GDSN.
BILL_OF_LADING_RECIPIENT	Party to receive Bill of Lading.	Not used for FS GDSN.
BILL_TO	Party which receives goods and invoice.	Not used for FS GDSN.
BROKER_AGENT	A person who buys or sells for another entity without having title to the property.	Not used for FS GDSN.
BUYER	Party to which merchandise are sold.	Not used for FS GDSN.
BUYERS_AGENT_ REPRESENTATIVE	Third party who arranged the purchase of merchandise on behalf of the actual buyer.	Not used for FS GDSN.
CARRIER	A company, which physically transports goods from one place to another.	Not used for FS GDSN.
CENTRAL_PAYMENT_ SERVICE	Master of the conveyance. A party providing central (or consolidated payment) services.	Not used for FS GDSN.
CHECKING_PARTY	Party or contact designated on behalf of carrier or his agent to establish the actual figures for quantities, weight, volume and/or (cube) measurements of goods or containers which are to appear in the transport contract and on which charges will be based	Not used for FS GDSN.

Code Value	Definition	Note
CHEQUE_ORDER	Party to which the cheque will be ordered, when different from the beneficiary.	Not used for FS GDSN.
CONSIGNEE	Party to which goods are consigned.	Not used for FS GDSN.
CONSOLIDATOR	Party consolidating various consignments, payments etc.	Not used for FS GDSN.
CONSUMER	The end user of a trade item or a service.	Not used for FS GDSN.
CORPORATE_IDENTITY	Identity of the party to whom all other parties of the same commercial organization are linked.	Not used for FS GDSN.
CUSTOMS	Identification of customs authority relevant to the transaction or shipment.	Not used for FS GDSN.
CUSTOMS_BROKER	Party responsible for the preparation of documents and/or electronic submissions, the calculation on behalf of the client of taxes, duties and excises, and facilitating communication between the importer/exporter and governmental authorities.	Not used for FS GDSN.
DECLARANTS_AGENT_ REPRESENTATIVE	Any natural or legal person who makes a declaration to an official body on behalf of another natural or legal person, where legally permitted (CCC).	Not used for FS GDSN.
DELIVERY_PARTY	Party to which goods are delivered.	Not used for FS GDSN.
DESIGNER	A Party who designs.	Not used for FS GDSN.
DESPATCH_PARTY	Party where goods are collected or taken over by the carrier.	Not used for FS GDSN.
DOCK_DOOR	A door or collection of doors where trucks or rail cars are loaded (shipping) or unloaded (receiving). Used to load or unload trade items for logistics.	Not used for FS GDSN.
EMPTY_EQUIPMENT_ DESPATCH_PARTY	Party from whose premises empty equipment will be or has been despatched.	Not used for FS GDSN.
EMPTY_EQUIPMENT_ RETURN_PARTY	Party to whose premises empty equipment will be or has been returned.	Not used for FS GDSN.
EQUIPMENT_OWNER	Owner of equipment (container, etc.).	Not used for FS GDSN.
EXPORTER	Party who makes - or on whose behalf a Customs clearing agent or other authorized person makes - an export declaration. This may include a manufacturer, seller or other person. Within a Customs union, consignor may have the same meaning as exporter	Not used for FS GDSN.
FACTOR	A party that purchases financial receiving instruments e.g. invoices	Not used for FS GDSN.
FREIGHT_FORWARDER	A person or firm that arranges for a pick up or deliver goods by a carrier on instructions of a shipper or consignee from or to a point by various necessary conveyances and common carriers.	Not used for FS GDSN.
GOODS_OWNER	The party which owns the goods.	Not used for FS GDSN.
HEAD_OFFICE	The executive or main office of an enterprise.	Not used for FS GDSN.

Code Value	Definition	Note
IMPORTER	Party who makes - or on whose behalf a Customs clearing agent or other authorized person makes - an import declaration. This may include a person who has possession of the goods or to whom the goods are consigned.	Not used for FS GDSN.
INSURER	A person or company offering insurance policies for premiums.	Not used for FS GDSN.
INTERMEDIARY_BANK_1	A financial institution between the ordered bank and the beneficiary's bank.	Not used for FS GDSN.
INTERMEDIARY_BANK_2	A financial institution between the ordered bank and the beneficiary's bank.	Not used for FS GDSN.
INVENTORY_CONTROLLER	To specifically identify the party in charge of inventory control.	Not used for FS GDSN.
INVENTORY_REPORTING_ PARTY	Party reporting inventory information.	Not used for FS GDSN.
INVOICEE	Party issuing an invoice.	Not used for FS GDSN.
ISSUER_OF_INVOICE	Party which issues an invoice.	Not used for FS GDSN.
LOGISTICS_SERVICE_ PROVIDER	An umbrella term for an entity, which provides a combination of many different logistics services for another entity.	Not used for FS GDSN.
MARK_FOR	The ultimate destination of a unit load or transport package of goods where the Ship-To is a different location.	Not used for FS GDSN.
MESSAGE_FROM	Party where the message comes from.	Not used for FS GDSN.
MESSAGE_RECIPIENT	Party receiving the message.	Not used for FS GDSN.
MINCER	One engaged in the cutting or chopping of meat into very small pieces.	Not used for FS GDSN.
OPERATING_DIVISION	An entity that is part of another entity. For example, a Regional Marketing Office. Operating Divisions may have multiple days and times of operation.	Not used for FS GDSN.
OPERATOR	A person or persons who own or operate a business establishment, which services consumers directly. For example a restaurant owner as part of a chain or an independent operation.	Not used for FS GDSN.
ORDERING_PARTY	To be used only if ordering party and buyer are not identical.	Not used for FS GDSN.
OWNER_OF_EQUIPMENT	Party who owns equipment.	Not used for FS GDSN.
OWNER_OF_MEANS_OF_ TRANSPORT	Party owning the means of transport. Not a synonym of carrier	Not used for FS GDSN.
PARTY_DECLARING_THE_ VALUE_ADDED_TAX	A code to identify the party who is responsible for declaring the Value Added Tax (VAT) on the sale of goods or services.	Not used for FS GDSN.
PARTY_FOR_WHOM_ITEM_IS_U LTIMATELY_INTENDED	Party for whom item is ultimately intended.	Not used for FS GDSN.

Code Value	Definition	Note
PARTY_RECEIVING_PRIVATE_DATA	The party who is allowed access to master data information by the data owner when the data is viewed as private.	Not used for FS GDSN.
PARTY_RECOVERING_THE_VALUE_ADDED_TAX	A code to identify the party who is eligible to recover the Value Added Tax (VAT) on the sale of goods or services.	Not used for FS GDSN.
PARTY_TO_RECEIVE_ALL_DOCUMENTS	A party which is named to be the recipient of all documents.	Not used for FS GDSN.
PARTY_TO_RECEIVE_COMMERCIAL_INVOICE	Party to whom payment for a commercial invoice or bill should be remitted.	Not used for FS GDSN.
PARTY_TO_RECEIVE_ELECTRONIC_MEMO_OF_INVOICE	Party being informed about invoice issue (via EDI).	Not used for FS GDSN.
PARTY_TO_RECEIVE_FREIGHT_BILL	Party to whom the freight bill should be sent.	Not used for FS GDSN.
PARTY_TO_RECEIVE_REFUND	Party to whom a refund is given.	Not used for FS GDSN.
PAYEE	Party, which receives payment.	Not used for FS GDSN.
PAYER	Party which initiates payment.	Not used for FS GDSN.
POINT_OF_SALE	Refers to the retail type checkout where barcode symbols are normally scanned.	Not used for FS GDSN.
PRICE_LOCATION_PARTY	A party to which a price for a trade item is applicable. Within the context of GDSN Price Synchronization, it is also known as the 'Price Location' which is a GLN.	Not used for FS GDSN.
PROXY	A company that is selected by the Brand Owner to maintain their baseline attributes and Administrative Records in the GDSN.	Not used for FS GDSN.
PUBLIC_WAREHOUSE	A building, or a part of one, where storage space is offered to other companies for compensation (fee), for the storage of their goods, merchandise, etc.	Not used for FS GDSN.
PURCHASE_ORDER_RECEIVER	The party that receives the purchase order for the goods or services.	Not used for FS GDSN.
REGISTERED_AGENT	The party having legal responsibility for the product in the target market for example a company to which market authorization has been issued.	Not used for FS GDSN.
REMIT_TO	Party to whom funds are directed for payment of a commercial invoice.	Not used for FS GDSN.
RETURNABLE_ASSET_SERVICE_CENTRE	The location where a returnable asset is serviced.	Not used for FS GDSN.
SELLER	Party which sells products or services to a buyer.	Not used for FS GDSN.
SERVICE_PROVIDER	A party providing services for another party (e.g. re-packing supplier's products).	Not used for FS GDSN.
SHIP_FROM	Party from where goods will be or have been shipped.	Not used for FS GDSN.
SHIP_TO	Party which receives goods and invoices.	Not used for FS GDSN.

Code Value	Definition	Note
SLAUGHTERER	The Party who has undertaken or will undertake a slaughter.	Not used for FS GDSN.
STORE	A physical entity that sells trade items to a consumer.	Not used for FS GDSN.
SUBSTITUTE_SUPPLIER	Party which may be in a position to supply products or services should the main usual supplier be unable to do so.	Not used for FS GDSN.
SUPPLIER	A party that provides goods or services.	Not used for FS GDSN.
TRANSPORTATION_CARRIER	Party undertaking or arranging transport of goods between named points.	Not used for FS GDSN.
VISITING_ADDRESS	An enterprise's physical location where guests are received during set working hours	Not used for FS GDSN.
WAREHOUSE_AND_OR_ DEPOT	Industrial department of a company equipped with appropriate equipment and fit-tings in which goods are stored in appropriate conditions.	Not used for FS GDSN.
WAREHOUSE_KEEPER	Party taking responsibility for goods entered into a warehouse.	Not used for FS GDSN.
WHOLESALER	Seller of articles, often in large quantities, to be retailed by others.	Not used for FS GDSN.

3.35   PreparationTypeCode List

List Name	PreparationTypeeCode
Attribute(s)	Nutrient Label Contents & Measures (4 of 9) -- preparationStateCode Preparation & Cooking Instructions (1 of 2) -- preparationType

Code Value	Definition
UNPREPARED	The initial state of the product.
PREPARED	The state of the product after preparation (e.g. after adding milk or water).
UNSPECIFIED	Unknown, not applicable
AS_DRAINED	The state of the product after it has been separated from any liquid within the package'' – For example, a can of apricots in syrup would have a different nutritional composition if the apricots are consumed with the syrup rather than if the syrup is drained before consuming the apricots (because of the high sugar and energy content of the syrup).
BAKE	Cooking food in an oven by dry heat applied evenly throughout the oven
BARBECUE	Method of cooking meat with the heat and hot gasses of a fire
BLANCH	Food preparation wherein the food substance is rapidly plunged into boiling water and then removed after a brief, timed interval and then plunged into iced water or placed under cold running water
BLIND_BAKE	Baking a pie crust or other pastry without the filling
BOIL	Cooking food in boiling water, or other water-based liquid such as stock or milk

Code Value	Definition
BRAISE	Cooking with "moist heat," typically in a covered pot with a small amount of liquid
BROIL	Cooking food with high heat with the heat applied directly to the food, most commonly from above. Heat transfer to the food is primarily via radiant heat
DEEP_FRY	Cooking method whereby food is submerged in hot oil or fat.
DOUBLE_STEAM	Cooking technique to prepare delicate food such as bird nests, shark fins etc. The food is covered with water and put in a covered ceramic jar
FREEZE	Convert the product from room temperature to a frozen state. Simple
FRY	Cooking of food in fat.
GRIDDLE_FRY	Form of cooking where the food is fried with its own fat.
GRILL	Form of cooking that involves direct heat. The definition varies widely by region and culture
HEAT_AND_SERVE	Prepare the item by simply heating or warming to a desired temperature or visual state prior to serving
MICROWAVE	Cooking food by employing microwave radiation
PAN_FRY	Form of frying characterised by the use of less cooking oil than deep frying
POACH	Cooking food by gently simmering food in liquid, generally water, stock or wine
PRESSURE_COOK	Method of cooking in a sealed vessel that does not permit air or liquids to escape below a preset pressure
PRESSURE_FRY	Meat and cooking oil are brought to high temperatures while pressure is held high enough that the water within is prevented from boiling off
READY_TO_DRINK	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
READY_TO_EAT	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
RECONSTITUTE	Restore a dry or concentrated food to its original strength or consistency by adding water.
REFRIGERATE	Convert the product from room temperature to a chilled state.
ROAST	Cooking method that uses dry heat, whether an open flame, oven, or other heat source.
ROTISSERIE	Style of roasting where meat is skewered on a spit and revolves over a flame
SAUTE	Cooking food using a small amount of fat in a shallow pan over relatively high heat
SEAR	Technique used in grilling, roasting, braising, sautéing, etc. That cooks the surface of the food (usually meat, poultry or fish) at high temperature so that a caramelised crust forms
SIMMER	Cook food by heating it in water kept just below the boiling point (same as coddling)
SMOKE	Process of curing, cooking, or seasoning food by exposing it for long periods of time to the smoke from a wood fire
STEAM	Cooking by first boiling the water so it will evaporate into steam, then the steam will carry heat to the food, thus achieving heating the food
STEW	Preparing meat cut into smaller pieces or cubes by simmering it in liquid, usually together with vegetables
STIR_FRY	Chinese cooking technique used because of its fast cooking speed
THAW	Convert the product from a frozen state to a chilled or room temperature state.

3.36   ProductActivityTypeCode List

List Name	ProductActivityTypeCode
Attribute(s)	Country of Origin (Ingredient Level) (5 of 9) -- productActivityTypeCode Country of Origin (Item Level) (4 of 8) -- productActivityTypeCode

Code Value	Definition
ASSEMBLY	The place where product is assembled.
FARMING	The cultivation of animals, plants, fungi, and other life forms.
CATCH_ZONE	The sea zone in which the seafood in the trade item was caught.
LAST_PROCESSING	The place where the trade item or ingredient was last processed and tested before importation.
BOTTLING	The place in which the beverage is bottled.

3.37   ReferencedFileTypeCode List

List Name	ReferencedFileTypeCode
Attribute(s)	Links to Websites, Images, Documents, Video, Audio Files (1 of 7) -- referencedFileTypeCode

Code Value	Definition
CERTIFICATION	Document which contains a special certification by a third party (e.g. International Food Standard [IFS], QS-Approval Mark for meat product, sausage, fruit, vegetables and potatoes or bio audits).
CHEMICAL_ASSESSMENT_ SUMMARY	Link to a file containing the chemical ingredient information sent to the supplier from a third party as a result of the assessment.
CHEMICAL_SAFETY_REPORT	Link to the file containing a report detailing the risks arising from the manufacture and/or use of a substance and to ensure that they are adequately controlled.
CHILD_NUTRITION_LABEL	Link to a file containing the Child Nutrition Label as formatted according to regulations and rules of an appropriate regulatory body for the target market.
DIET_CERTIFICATE	Link to a website or file containing a diet certificate granted to the product
HAZARDOUS_SUBSTANCES_DATA	Link to a file where to locate the 'out of network data' additional data concerning the control of substances can be found.
OUT_OF_PACKAGE_IMAGE	Link to an image of an item out of its packaging and, if necessary, assembled ready for use by the end user. This type of file is subject the current version of the GDSN Product Image Specification Standard.
PRODUCT_FORMULATION_ STATEMENT	Link to a file containing the Product Formulation Statement, in lieu of a Child Nutrition Label, as formatted according to regulations and rules of an appropriate regulatory body for the target market.
PRODUCT_IMAGE	Link to a file containing a visual representation of the product.
PRODUCT_LABEL_IMAGE	Link to a file containing a visual representation of the product label.
PRODUCT_WEBSITE	Link to a website containing product specific information. Examples of this could be a link to a website dedicated to the product or a link to the area within the manufacturer or brand owner website that contains the product information

Code Value	Definition
RECIPE_WEBSITE	Link to a website containing recipes associated with the product
SAFETY_DATA_SHEET	Link to a file containing the product's Safety Data Sheet (SDS). This file can be either an image or a document
SAFETY_SUMMARY_SHEET	A link to a summary sheet document that is available to workers to understand how to deal with chemicals in an emergency situation.
TESTING_METHODOLOGY_RESULTS	Document which contains microbiological and physico-chemical findings of the product which are observed during product testing.
AUDIO	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
CONSUMER_HANDLING_AND_STORAGE	Link to a website, file, or image containing the manufacturer's recommendations for how the consumer or end user should store and handle the product.
DOCUMENT	Link to a document or text file containing product information. Examples of this type could be an instruction manual, assembly guide, or warranty document.
GROUP_CHARACTERISTIC_SHEET	Definition not available.
IFU	Link to a file containing the Instructions For Use (IFU). This type of file is primarily used in conjunction with ingestible products, regardless of species.
LOGO	Link to a file containing the Manufacturer or Brand Logo(s) associated with the product.
MARKETING_INFORMATION	Link to a file with product information associated with selling a product or service.
MOBILE_DEVICE_IMAGE	Trade Item image that represents the image the manufacturer supplies to the consumer for mobile device applications
OTHER_EXTERNAL_INFORMATION	Link to a file containing product information of an unspecified type.
PLANOGRAM	Link to a file illustrating how and where retail products should be displayed.
QUALITY_CONTROL_PLAN	Document which detailed information about the quantity of laboratory/analytical tests and the evaluated parameters.
REGULATORY_INSPECTION_AUDIT	Inspection report of the inspections. For example foodstuffs, pharmaceuticals and other types of products that are regulated.
RISK_ANALYSIS_DOCUMENT	Document which describes how the supplier assured the quality control of the end products or during the production process. The process can be a supplier internal control system, a simple kind of risk analysis or systematic preventive approach according H
SAMPLE_SHIPPING_ORDER	Document is a sample shipping order. A sample shipping order isn´t needed for every item (GTIN), but a shipping order can differ from GTIN to GTIN. E.g. in case an item is an organic product the sample shipping order needs to contain the organic product o
TRADE_ITEM_DESCRIPTION	Identifies the reference to an external description of a Trade Item. The link (e.g. URL) to the external description. will be in the appropriate attribute
VIDEO	Link to a file containing a video clip which is relevant to the product. Examples are commercials, trailers, or instructional/ how to use video files.
WARRANTY_INFORMATION	Link to a file with information associated with any guarantee given by a company stating that a product is reliable and free from known defects and that the seller will, without charge, repair or replace defective parts within a given time limit and under
WEBSITE	Link to a website containing product or manufacturer information.

3.38   RouteOfExposureCode List

List Name	RouteOfExposureCode
Attribute(s)	Lethal Dose Concentration (5 of 7) -- routeOfExposureCode

Code Value	Definition
INHALATION	Exposure by breathing.
ORAL	Exposure by eating or drinking
DERMAL	Exposure by application to the skin.

3.39   SDS File Type Code List

This section provides a list of referencedFileTypeCodes used specifically for a Safety Data Sheet (SDS). These codes are part of the ReferencedFileTypeCodeList managed by GS1.   (See the ReferencedFileTypeCodeList section for the full list.)

List Name	ReferencedFileTypeCodeList *(only codes for SDS)*
Attribute(s)	Links to Safety Data Sheet (1 of 7) -- referencedFileTypeCode

Code Value	Definition
SAFETY_DATA_SHEET	Link to a file containing the product's Safety Data Sheet (SDS). This file can be either an image or a document
SAFETY_SUMMARY_SHEET	A link to a summary sheet document that is available to workers to understand how to deal with chemicals in an emergency situation.

3.40   SDSStandardCode List

List Name	SDSStandardCode
Attribute(s)	Safety Data Sheet (1 of 3) -- sDSStandardCode

Code Value	Definition
ANSI	American National Standards Institute
OTHER	Any other MSDS or SDS standard not specifically included in this list.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
RETAILER_REQUESTED	This is the guideline being developed as part of the GS1 Chemical Ingredients Initiative.
OSHA	Occupational Safety and Health Administration

3.41   Serving Size Weight UoM Code List

The attribute servingSizeWeight is a temporary attribute to be used for single serving gram weight until the attribute servingSize can be changed to allow for multiple values. This code below is the only UoM value allowed for the attribute servingSizeWeight. (Note: This code is part of the the United Nations Recommendation 20 (UN Rec 20) Codeset for units of measure. See the Unit of Measure code list for the full code set.)

List Name	MeasurementUnitCode(GDSN) (UN Recommendation 20) *(only codes for serviing size weight)*
Attribute(s)	Nutrition Fact Serving Size & UOM (2 of 2) -- servingSizeWeight

Code Value	Value Name	Definition
GRM	Gram	A gram is defined as one one-thousandth of the kilogram (1×10-3 kg).

3.42   TemperatureQualifierCode List

List Name	TemperatureQualifierCode
Attribute(s)	Storage Temperature Min & Max with UoM (1 of 3) -- temperatureQualifierCode

Code Value	Definition
DELIVERY_TO_MARKET	Trade Item is in transport to market.
STORAGE_HANDLING	Trade Item is being stored or handled.
DELIVERY_TO_DISTRIBUTION_CENTRE	Trade Item is in transport to the distribution center.
TRANSPORTATION	Trade item is in process of being transported in the supply chain.
DELIVERY_TO_MARKET	Trade Item is in transport to market.

3.43   TestSpeciesCode List

List Name	TestSpeciesCode
Attribute(s)	Lethal Dose Concentration (6 of 7) -- testSpeciesCode

Code Value	Definition
MOUSE	A small mammal belonging to the order of rodents (Genus Mus).
RABBIT	Small mammals in the family Leporidae of the order Lagomorpha.
RAT	Rats are various medium-sized, long-tailed rodents of the superfamily Muroidea.
OTHER	Any other animal not specifically included in this list.

3.44   TradeItemDateOnPackagingTypeCode List

List Name	TradeItemDateOnPackagingTypeCode
Attribute(s)	Package Marks (2 of 3) -- tradeItemDateOnPackagingTypeCode Package Marks (3 of 3) -- extendedTradeItemDateOnPackagingTypeCode

Code Value	Definition
BEST_BEFORE_DATE	The best before date indicates the ideal consumption or best effective use date of a product. It is a statement about quality. It is often referred to as a sell by date or a minimum durability date.
EXPIRATION_DATE	The expiration date is the date that determines the limit of consumption or use of a product. Its meaning is determined based on the trade item context (e.g., for food, the date will indicate the possibility of a direct health risk resulting from use of the product after the date, for pharmaceutical products, it will indicate the possibility of an indirect health risk resulting from the ineffectiveness of the product after the date). It is often referred to as "use by date" or "maximum durability date."
PACKAGING_DATE	The packaging date is the date when the goods were packed as determined by the packager. The date may refer to the trade item itself or to items contained.
PRODUCTION_DATE	The production date is the production or assembly date determined by the manufacturer. The date may refer to the trade item itself or to items contained.
DISPLAY_UNTIL_DATE	The date in which the trade item is displayed on shelf until date is reached. This is applicable to such items as periodicals, promotional trade items and materials supporting. This is normally not for regulatory, expiration, or quality type dates.
LAST_SALE_DATE	The trade item is marked with a date that specifies the last date a trade item may be sold to a consumer. The difference between Last Sale date, Best before, and Expiration is that Best Before is used for quality of product may deteriorate, Expiration is the maximum date of quality, last sale is the date the item can no longer be sold. These support different business purposes.

3.45   TradeItemUnitDescriptorCode List

List Name	TradeItemUnitDescriptorList
Attribute(s)	Unit Descriptor

Code Value	Value Name	Definition
EA	BASE_UNIT_OR_EACH	The lowest level of the item hierarchy intended or labeled for individual retail sale.
CS	CASE	The standard shipping unit level.
PK	PACK_OR_INNER_PACK	A logistical unit between case and each. This may be a consumable innerpack (i.e. Carton of Cigarettes) or it may be simply a logistical pack (i.e. Dozens of toothbrushes).
PL	PALLET	A pallet is a flat transport structure designed to support a variety of goods in a stable fashion while being lifted by any mobile forklift or other jacking device.

Code Value	Value Name	Definition
TL	TRASNPORT_LOAD	A logistical unit which, when ordered, can provide a standard quantity of trade items from any other hierarchy level. This level can be used to define truckloads, shipping containers, rail cars, ships, and etc. This level can contain a single GTIN or multiple GTINs.
DS	DISPLAY_SHIPPER	A shipping unit that is a display (can contain a single instance of a GTIN or contains more than one unique instance of a GTIN) OR a case that contains more than one unique instance of a GTIN. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet and prepack.
MX	MIXED_MODULE	A "mixed mod" or "display ready pallet" that is not the normal 'turn' for ordering.

3.46   Unit of Measure Code List

GDSN utilizes the United Nations Recommendation 20 codeset as a basis for its Unit of Measure code list. All measurement attributes utilize this list. (Note: This is the complete code list. For convenience to the user, this guidance also provides subsets of applicable values from this code list for certain attributes that use specific types of UoM (e.g., temperatures, cubic measurements, etc.).)

List Name	MeasurementUnitCode(GDSN) (UN Recommendation 20)
Attribute(s)	Chemical Ingredients (2 of 4) -- chemicalIngredientConcentration Chemical Ingredients (3 of 4) -- chemicalIngredientConcentrationBasis Depth with UoM Drained Weight with UoM Gross Weight with UoM Height with UoM Width with UoM Individual Unit Measures (1 of 2) -- individualUnitMaximumSize Individual Unit Measures (2 of 2) -- individualUnitMinimumSize Lethal Dose Concentration (1 of 7) -- lethalConcentration50 Lethal Dose Concentration (2 of 7) -- lethalConcentration50Basis Lethal Dose Concentration (3 of 7) -- lethalDose50 Lethal Dose Concentration (4 of 7) -- lethalDose50Basis Net Content with UoM Net Weight with UoM Nutrient Label Contents & Measures (2 of 9) -- nutrientBasisQuantity Nutrient Label Contents & Measures (7 of 9) -- quantityContained Nutrient Fact Serving Size with UoM (1 of 2) -- servingSize Order Sizing Out-of-Box Dimensions (2 of 4) -- depth (Out of Box) Out-of-Box Dimensions (3 of 4) -- height (Out of Box) Out-of-Box Dimensions (4 of 4) -- width (Out of Box) Width with UoM

Code Value	Value Name	Definition
23	Grams Per Cubic Centimetre	Grams Per Cubic Centimetre
28	Kilogram per square metre	A unit of pressure equal to 9.80665*10-05 Bar
2N	Decibel	A measurement for sound in air and other gases, relative to 20 micropascals (?Pa) = 2×10?5 Pa, the quietest sound a human can hear. This is roughly the sound of a mosquito flying 3 metres away. This is often abbreviated to just "dB"; however the correct a
2P	Kilobyte	A unit of information equal to 10³ (1000) bytes.
2Q	Kilo Becquerel	kBq is 10³ Bq
2X	Metre Per Minute	Metre Per Minute
4G	Microlitre	A microlitre is one millionth of a litre
4H	Micrometre	A micrometre is one millionth of a metre, also termed Micron.
4L	Megabyte	A unit of information equal to 10? (1000000) bytes.
58	Net kilogram	A unit of mass defining the total number of kilograms after deductions.
59	Part per million	A unit of proportion equal to 10-6 (ppm).
5B	Batch	A unit of count defining the number of batches (batch: quantity of material produced in one operation or number of animals or persons coming at once).
64	Pound per square inch - Gauge	Psig (pound-force per square inch gauge) is a unit of pressure relative to the surrounding atmosphere. At sea level, Earth's atmosphere actually exerts a pressure of 14.7 psi. Humans do not feel this pressure because internal pressure of liquid in their b
80	Pound per square inch - Absolute	Psia (pound-force per square inch absolute)is a unit of pressure pressure relative to a vacuum (such as that in space). At sea level, Earth's atmosphere actually exerts a pressure of 14.7 psi. Humans do not feel this pressure because internal pressure of
A24	Candela per Square Metre	Candela per Square Metre
A71	Femtometre	Femtometre- a quadrillionth of a metre (10 to the negative 15th power)
A86	Gigahertz	A unit of frenquecy equal to 109 Hertz
AD	Byte	A unit of information equal to 8 bits.
AIU	Anti XA Unit (International Units)	A unit of measure for blood potency. International units for the anti XA activity which is a measure to the anti coagulating effect at low molecular heparins. A unit of measure for blood potency
AMP	Ampere	Ampere
ANN	Year	Unit of time equal to 365,25 days.
APZ	Troy ounce or apothecary ounce	The troy ounce is a unit of imperial measure. In the present day it is most commonly used to gauge the weight and therefore the price of precious metals. One troy ounce equals 480 grains or 31.1035 grams.
AS	Assortment	A unit of count defining the number of assortments (assortment: set of items grouped in a mixed collection).

Code Value	Value Name	Definition
AWG	Gauge	Gauge- A number referring to the outer diameter of hypodermic or suture needles. Smaller gauge numbers indicate larger outer diameters. Inner diameter depends on both gauge and wall thickness. An increasing needle-gauge size corresponds to a smaller diameter.
AXU	Anti XA Unit	A unit of measure for blood potency. Units for the anti XA activity which is a measure to the anti coagulating effect at low molecular heparins.
B10	Bit per second	In telecommunications and computing, bitrate (sometimes written bit rate, data rate or as a variable R or fb) is the number of bits that are conveyed or processed per unit of time. The bit rate is quantified using the bits per second (bit/s or bps) unit.
B60	Lumens per Square Meter	Lumens per Square Meter
BAR	Bar (unit of pressure)	The bar is widely used in descriptions of pressure; 1 bar = 100 kilopascals 0.987 atmospheres.
BB	Base box	A unit of area of 112 sheets of tin mil products (tin plate, tin free steel or black plate) 14 by 20 inches, or 31,360 square inches.
BFT	Board Foot	A specialized unit of measure for the volume of rough lumber (before drying and planing with no adjustments) or planed/surfaced lumber. It is the volume of a one-foot length of a board one foot wide and one inch thick. Some countries utilize the synonym s
BLL	Barrel US	There are varying standards for barrel for some specific commodities, including 31 gal for beer, 40 gal for whiskey or kerosene, and 42 gal for petroleum. The general standard for liquids is 31.5 gal or half a hogshead; the general standard for dry conten
BP	Hundred board foot	A unit of volume equal to one hundred board foot.
BPM	Beats Per Minute	Beats Per Minute
BQL	Becquerel	The becquerel (symbol Bq) is the SI derived unit of radioactivity. One Bq is defined as the activity of a quantity of radioactive material in which one nucleus decays per second. SI uses the becquerel rather than the second for the unit of activity measur
BTU	British thermal unit	The British thermal unit (BTU or Btu) is a traditional unit of energy. It is approximately the amount of energy needed to heat one pound of water one degree Fahrenheit. One Btu is equal to about 1.06 kilojoules. It is used in the power, steam generation,
BUA	Bushel (US)	A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture
BUI	Bushel (UK)	A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture
C18	Millimole	A millimole is one thousandth of a mole.
C26	Millisecond	A millisecond (from milli- and second; abbreviation: ms) is a thousandth (1/1000) of a second.
C34	Mole	The mole (symbol mol) is the SI base unit of amount of substance; one of a few units used to measure this physical quantity. A mole will possess mass exactly equal to the substance's molecular or atomic weight in grams. That is to say, a substance's atom
C45	Nanometre	Nanometre- a billionth of a metre (10 to the negative 9th power)

Code Value	Value Name	Definition
C52	Picometre	Picometre- a trillionth of a metre (10 to the negative 12th power)
CEL	Degree Celsius	Celsius (also historically known as centigrade) is a temperature scale, the freezing point of water is 0 degrees Celsius (°C) and the boiling point 100 °C (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 100 deg
CFU	Colony Forming Units	Colony Forming Units: is a rough estimate of the number of viable bacteria or fungal cells in a sample.
CG	Card	A unit of count defining the number of units of card (card: thick stiff paper or cardboard).
CGM	Centigram	A centigram is one hundredth (1/100) of a gram
CLT	Centilitre	A centilitre is one hundredth (1/100) of a litre
CMK	Square centimetre	A square centimetre is an area of a square whose sides are exactly 1 centimetre in length.
CMQ	Cubic centimetre	A cubic centimetre is the volume of a cube of side length one centimetre (0.01 m) equal to a millilitre.
CMT	Centimetre	A centimetre is equal to one hundredth of a metre.
CWA	Hundred pound (cwt) / hundred weight (US)	A unit of weight in the U.S. Customary System equal to 100 pounds (45.36 kilograms); also called cental.
CWI	Hundred weight (UK)	A unit of weight in the British Imperial System equal to 112 pounds (50.80 kilograms); also called quintal.
D19	Square Metre Kelvin Per Watt	Square metre kelvin per watt. The definition is the thermal resistance (or Rd value) of the material, which is measured by the thickness of the material layer divided by the thermal conductivity of the material. and is expressed in m²K/W.
D29	Terahertz	A unit of frenquecy equal to 1012 Hertz
D30	Terajoule	A terajoule is 10^{12} joules
D32	Terawatt hour	A terawatt hour is 109 * kilowat hour or 3.6 petajoules.
D43	Atomic Mass Units (AMU)	Atomic Mass Units
D5	Kilogram per square centimetre	A kilogram-force per square centimeter (kgf/cm2), often just kilogram per square centimeter (kg/cm2), or kilopond per square centimeter is a unit of pressure using metric units. Its use is now deprecated; it is not a part of the International System of Un
D55	Heat Transfer Coefficient	Heat Transfer Coefficient
D63	Book	A unit of count defining the number of books (book: set of items bound together or written document of a material whole).
D70	Calorie - International Table (IT)	A calorie is 1/100 of the amount of energy required to warm one gram of air-free water from 0 °C to 100 °C at standard atmospheric pressure; this is about 4.190 J. Its use is archaic, having been replaced by the SI unit of energy, the joule. However, in m
DAY	Days	A day is one three hundreds and sixty fifth (1/365) of a year
DD	Degree (Unit of Angle)	A measurement of plane angle, representing 1?360 of a full rotation; one degree is equivalent to ?/180 radians.
DG	Decigram	A decigram is one tenth (1/10) of a gram.

Code Value	Value Name	Definition
DLT	Decilitre	A decilitre is one tenth (1/10) of a litre.
DMK	Square decimetre	A square deciimetre is an area of a square whose sides are exactly 1 deciimetre in length.
DMQ	Cubic decimetre	A cubic decimetre is the volume of a cube of side length one decimetre (0.1 m)
DMT	Decimetre	A decimetre is equal to one tenth of a metre.
DRA	Dram (US)	The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidra
DRI	Dram (UK)	The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidra
DZN	Dozen	A unit of count defining the number of units in multiples of 12.
E09	Milliampere hour	Milliampere hour
E14	Kilocalorie (international table)	A unit of energy equal to 1000 calories.
E27	Dose	A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug).
E32	Litre Per Hour	Litre Per Hour
E34	Gigabyte	A unit of information equal to 109 bytes.
E35	Terabyte	A unit of information equal to 10^{12} bytes.
E37	Pixel	A unit of count defining the number of pixels (pixel: picture element).
E39	Dots per inch	A unit of count defining the number of dots per linear inch as a measure of the resolution or sharpness of a graphic image.
E4	Gross kilogram	A unit of mass defining the total number of kilograms before deductions.
E55	Use	A unit of count defining the number of times an object is used.
EA	Each	A unit of count defining the number of items regarded as separate units.
ELU	ELISA Units	Enzyme-linked immunosorbent assay unit, is always associated with a product and a method.
F27	Gram Per Hour	Gram Per Hour
FAH	Degree Fahrenheit	The Fahrenheit temperature scale, the freezing point of water is 32 degrees Fahrenheit (°F) and the boiling point 212 °F (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 180 degrees apart.
FH	Micromole	One millionth (10 -6) of a mole.
FML	Femtolitre	Femtolitre- Femtolitre is the metric unit of volume equal to one thousand trillionth (European) or one quadrillionth (American) litre. One femtolitre is the same as one cubic micrometre (?m3), , which can be represented numerically as 0.00000000000001/lit
FOT	Foot	The international foot is defined to be equal to 0.3048 meters.
FP	Pound per square foot	A non SI unit of Pressure approximately equal to 47.88025 PASCAL's.
FTK	Square foot	A square foot is an area of a square whose sides are exactly 1 foot in length.

Code Value	Value Name	Definition
FTQ	Cubic foot	A cubic foot is the volume of a cube of side length one foot (0.3048 m) .
G23	Peck	A peck is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 2 gallons, 8 dry quarts, or 16 dry pints.
G24	Tablespoon	Tablespoon. 1/2 fluid ounces, 3 teaspoons, 15 millilitres
G25	Teaspoon	Teaspoon. 1/6 fluid ounces or 5 millilitres
GBQ	Gigabecquerel	A unit of activity equal to 109 becquerels.
GLI	Gallon (UK)	The imperial (UK) gallon was legally defined as 4.54609 litres.
GLL	Gallon (US)	The U.S. liquid gallon is legally defined as 231 cubic inches, and is equal to exactly 3.785411784 litres or about 0.133680555 cubic feet.
GM	Gram per square metre	In the metric system, the density of all types of paper, paperboard, and fabric, is expressed in terms of grams per square meter (g/m²). This quantity is commonly called grammage both in English and French (ISO 536), though many English-speaking countries.
GRM	Gram	A gram is defined as one one-thousandth of the kilogram (1×10-3 kg).
GRN	Grain	A grain or troy grain is precisely 64.79891 milligrams. Exactly 7,000 grains per avoirdupois pound.
GRO	Gross	A unit of count defining the number of units in multiples of 144 (12 x 12).
GWH	Gigawatt hour	A gigaawatt hour is 109 kilowat hour or 3.6 terajoules.
H79	French gauge	The French scale (most correctly abbreviated as Fr, but also often abbreviated as FR or F) is commonly used to measure the catheter size (Circumference is in millimeters), in which 1 Fr = 0.33 mm in diameter. In the French Gauge system as it is also known
H87	Piece	A unit of count defining the number of pieces (piece: a single item, article or exemplar).
HC	Hundred count	A unit of count defining the number of units counted in multiples of 100.
HD	Half dozen	A unit of count defining the number of units in multiplt six (6).
HEP	Histamine Equivalent Prick	Histamine equivalent prick testing for allergen.
HGM	Hectogram	A hectogram is one hundred (100) grams
HLT	Hectolitre	A hectolitre is one hundred (100) litres.
HTZ	Hertz	A unit of frequency defined as the number of complete cycles per second; it is the basic unit of frequency in the International System of Units (SI).
HUR	Hour	An hour is a unit of measurement of time of the duration of 60 minutes, or 3600 seconds. It is 1/24 of a median Earth day.
INH	Inches	An international inch is defined to be equal to 25.4 millimeters.
INK	Square inch	A square inch is an area of a square whose sides are exactly 1 inch in length.
INQ	Cubic inch	A cubic inch is the volume of a cube of side length one inch (0.254 m).
JOU	Joule	A joule is the energy exerted by a force of one newton acting to move an object through a distance of one metre.
K6	Kilolitre	A kilolitre is one thousand (1000) litres.

Code Value	Value Name	Definition
KEL	Kelvin	Kelvin: a unit of absolute temperature equal to 1/273.16 of the absolute temperature of the triple point of water. One kelvin degree is equal to one Celsius degree.
KGM	Kilogram	A unit of mass equal to one thousand grams.
KHZ	Kilohertz	A unit of frenquecy equal to 103 Hertz
KIU	Kallikrein inactivator unit.	Kallikrein Inactivator Unit per Milliliter definition: An arbitrary unit of a kallikrein inactivator concentration equal to the concentration at which one milliliter of the mixture contains one unit of the kallikrein inactivator
KJO	Kilojoule	A kilojoule is 1000 joules
KMT	Kilometre	A kilometre is one thousand (1000) metres
KNM	Kilonewton Per Square Metre	Kilonewton Per Square Metre
KO	The milliequivalence caustic potash per gram of product	The milliequivalence caustic potash per gram of product. A unit of count defining the number of milligrams of potassium hydroxide per gram of product as a measure of the concentration of potassium hydroxide in the product.
KPA	Kilopascal- a thousand pascals (10 to the 3rd power)	Kilopascal- a thousand pascals (10 to the 3rd power)
KT	Kit	A unit of count defining the number of kits (kit: tub, barrel or pail).
KWH	Kilowatt hour	A kilowatt hour is a unit of energy equal to 3.6 megajoules. It is also a common commercial unit of electric energy representing the amount of energy delivered at a rate of 1,000 watts over a period of one hour.
KWT	Kilowatt	A kilowatt is one thousand (1000) watts
LBR	Pound	The international avoirdupois pound of exactly 0.45359237 kilogram.
LF	Linear foot	A unit of count defining the number of feet (12-inch) in length of a uniform width object.
LK	Link	A unit of distance equal to 0.01 chain.
LM	Linear metre	A unit of count defining the number of metres in length of a uniform width object.
LR	Layer	A unit of count defining the number of layers.
LTN	Ton (UK) or long ton (US)	Ton (UK) = 1016 Kg or 2240 Lb.
LTR	Litre	A litre is defined as a special name for a cubic decimetre (1 L = 1 dm3 = 103 cm3).
LUX	Lux	The International System unit of illumination, equal to one lumen per square meter.
MAW	Megawatt	A unit of power defining the rate of energy transferred or consumed when a current of 1000 amperes flows due to a potential of 1000 volts at unity power factor.
MBR	Millibar	Millibar- a hundred pascals (10 to the 2nd power)
MC	Microgram	A microgram is one millionth of a gram (0.000001)
MEQ	Milliequivalents	mEq or milliequivalents, the measure is used in terms of milliequivalents of solute per liter of solvent (or milliNormal where mEq/L = mN). This is especially common

Code Value	Value Name	Definition
		for measurement of compounds in biological fluids; for instance, the healthy level of pot
MGM	Milligram	A milligram is one thousandth of a gram (0.001)
MHZ	Megahertz	A unit of frenquecy equal to 106 Hertz
MIN	Minute (unit of time)	A minute is a unit of time equal to 1/60th of an hour or 60 seconds
MIU	Million International Unit (NIE)	A unit of count defining the number of international units in multiples of 106.
MLT	Millilitre	A millilitre is one thousandth of a litre (0.001)
MMK	Square millimetre	A square millimetre is an area of a square whose sides are exactly 1 millimetre in length.
MMQ	Cubic millimetre	A cubic millimetre is the volume of a cube of side length one milliimetre (0.001 m)
MMT	Millimetre	A millimetre is one thousandth of a metre (0.001)
MON	Month	Unit of time equal to 1/12 of a year of 365,25 days
MPN	Most Probable Number	Most Probable Number: is a method of getting quantitative data on concentrations of discrete items from positive/negative (incidence) data.
MQH	Cubic Metre Per Hour	Cubic Metre Per Hour
MTK	Square metre	A square metre is an area of a square whose sides are exactly 1 metre in length.
MTQ	Cubic metre	A cubic metre is the volume of a cube of side length one metre.
MTR	Metre	The metre is the basic unit of length in the International System of Units (SI).
MWH	Megawatt hour (1000 kW.h)	A unit of energy defining the total amount of bulk energy transferred or consumed.
NAN	Nanolitre	Nanolitre is the metric unit of volume equal to one billionth of a litre, which can be represented numerically as 0.000000001/liter.
NIU	Number of International Units	A unit of count defining the number of international units. The International Unit is a unit of measurement for the amount of a substance, based on measured biological activity or effect. The unit is used for vitamins, hormones, some medications, vaccines
NU	Newton Metre	Newton Metre
ON	Ounces per square yard	The weight of one square yard of the material expressed in ounces. Commonly used to express the density or weight of all types of paper, paperboard, and fabric, e.g. 20 OZ or 20 Weight denim has an area density of 20 oz/yd2. The term density here is used
ONZ	Ounce	A unit of mass with several definitions, the most commonly used of which are equal to approximately 30 grams
OPM	Oscillations Per Minute	Oscillations Per Minute
OZA	Fluid ounce (US)	A fluid ounce (US) is equal to one sixteenth (1/16) of a US pint or 29.5735295625 millilitres.
OZI	Fluid ounce (UK)	A fluid ounce (UK) is equal to one thirtieth (1/30) of a UK pint or 28.4130625 millilitres.
P1	Percent	A unit of proportion equal to 0.01.

Code Value	Value Name	Definition
PAL	Pascal	The pascal (symbol: Pa) is the SI derived unit of pressure, stress, Young's modulus and tensile strength. It is a measure of force per unit area, defined as one newton per square metre.
PD	Pad	A unit of count defining the number of pads (pad: block of paper sheets fastened together at one end).
PFU	Plaque Forming unit(s)	Plaque Forming unit(s)
PLT	Picolitre	Picoliter is the metric unit of volume equal to a trillionth (one millionth of a millionth) of a liter, which can be represented numerically as 0.000000000001/liter. just as the prefix nano denotes a billionth part
PNT	Point	A single unit on a scale of measurement as part of an incentive program or pricing structure used as a means of making a quantitative evaluation.
PR	Pair	A unit of count defining the number of pairs (pair: item described by two's).
PRS	Potential Renal Solute Load	Potential Renal Solute Load
PS	Pound-force per square inch	The pound-force per square inch (symbol: psi or lbf/in2 or lbf/in2) is a unit of pressure or of stress based on avoirdupois units. It is the pressure resulting from a force of one pound-force applied to an area of one square inch. Other abbreviations are
PTD	Dry Pint (US)	The United States dry pint is equal one eighth of a US dry gallon or one half US dry quarts. It is used in the United States but is not as common as the liquid pint.
PTI	Pint (UK)	A pint (UK) is equal to 1/8 Gallon (UK); used primarly as a measure for beer and cider when sold by the glass.
PTL	Liquid pint (US)	The US liquid pint is equal one eighth of a United States liquid gallon.
QB	Page - hardcopy	A unit of count defining the number of hardcopy pages (hardcopy page: a page rendered as printed or written output on paper, film, or other permanent medium).
QTD	Quart (US dry)	A US dry quart is equal to 1/32 of a US bushel, exactly 1.101220942715 litres.
QTL	Liquid quart (US)	A US liquid quart exactly equals 57.75 cubic inches, which is exactly equal to 0.946352946 litres.
RPM	Revolutions Per Minute	Revolutions Per Minute
SEC	Second (unit of time)	A second is a unit of time equal to 1/60th of an minute.
SET	Set	A unit of count defining the number of sets (set: a number of objects grouped together).
SMI	Mile (statute mile)	A statute mile of 5,280 feet (exactly 1,609.344 meters).
SQE	SQ-E	Number of allergens based on the SQ-E unit
STN	Ton (US) or short ton (UK)	Ton (US) = 2000 Lb or 907 Kg
SX	Shipment	A unit of count defining the number of shipments (shipment: an amount of goods shipped or transported).
TNE	Tonne	Metric ton = 1000 Kg
TPI	Teeth Per Inch	Teeth Per Inch
U2	Tablet	A unit of count defining the number of tablets (tablet: a small flat or compressed solid object).

Code Value	Value Name	Definition
VLT	Volt	Volt
WEE	Week	A week is a time unit equal to seven days.
WHR	Watt hour	The watt-hour is a unit of energy equivalent to one watt of power expended for one hour of time; it is equal to 3.6 kilojoules. The watt-hour is rarely used to express energy in any form other than electrical.
WTT	Watt	A watt is a derived unit of power; one watt is equivalent to 1 joule (J) of energy per second.
X_CHD	Centisimal Hahnemannian Dilution (CH)	A count of attenuation steps or dilution levels representing the homeopathic potency of a substance using the Hahnemannian (CH) method of attenuation; commonly denoted as CH1, CH2, CH3, etc. Each centesimal attenuation step represents one part source mate
X_KVN	Korsakovian (K)	A count of attenuation steps or dilution levels representing the homeopathic potency of a substance using the Korsakovian (K) method of attenuation; commonly denoted as CK1, CK2, CK3, etc. Each centesimal attenuation step represents one part source materi
X_MLM	Millesimai (LM)	A count of attenuation steps or dilution levels representing the homeopathic potency of a substance where each attenuation step represents one part source material combined with 49,999 parts dilution medium; commonly denoted as LM1, LM2, LM3, etc.
X_MTC	Mother tincture (Dry material)	A count of a dry crud medical substance Mother tincture, when used for homeopathic preparations, are liquid preparations obtained by the solvent action of a suitable vehicle upon raw materials. The raw materials (medical substance) are usually in the fres
X_NGM	Nanogram	A nano gram is 10-9 gram or a billionth of a gram..
X_PPC	Pixel per centimetre	A unit of count defining the number of pixels per linear centimetre as a measurement of the resolution of devices in various contexts; typically computer displays, image scanners or digital camera image sensors.
X_PPI	Pixel per inch	A unit of count defining the number of pixels per linear inch (PPI) as a measurement of the resolution of devices in various contexts; typically computer displays, image scanners or digital camera image sensors.
X_SPS	Sample per second	A unit of count defining the number of samplings takes during a period of time
YDK	Square Yard	A square yard is the area of a square with sides of one yard (three feet, thirty-six inches, 0.9144 metres) in length
YRD	Yard	A yard is It is equal to 3 feet or 36 inches or 0.9144 meter.

3.47   UoM Code List for Cubic Dimensions

This section provides a list of the units of measure codes for cubic dimensions. These codes are part of the units of measure codes managed by the United Nations as part of the Recommendation 20 (UN Rec 20) codeset. (For the full UN Rec 20 code list, see the [Unit of Measure Code List](#).)

List Name	UnitOfMeasureCodeList (UN Recommendation 20) *(only codes for cubic dimensions)*
Attribute(s)	[Cube with UoM](#)

Code Value	Value Name	Definition
CMQ	Cubic centimetre	A cubic centimetre is the volume of a cube of side length one centimetre (0.01 m) equal to a millilitre.
DMQ	Cubic decimetre	A cubic decimetre is the volume of a cube of side length one decimetre (0.1 m)
FTQ	Cubic foot	A cubic foot is the volume of a cube of side length one foot (0.3048 m).
INQ	Cubic inch	A cubic inch is the volume of a cube of side length one inch (0.254 m).
MMQ	Cubic millimetre	A cubic millimetre is the volume of a cube of side length one milliimetre (0.001 m)
MQH	Cubic Metre Per Hour	Cubic Metre Per Hour
MTQ	Cubic metre	A cubic metre is the volume of a cube of side length one metre.

3.48   UoM Code List for Temperature

This section provides a list of the units of measure codes which are permitted for the attributes minimumTemperature and maximumTemperature. These codes are part of the units of measure codes managed by the United Nations as part of the Recommendation 20 (UN Rec 20) codeset. (For the full UN Rec 20 code list, see the [Unit of Measure Code List](#).)

List Name	MeasurementUnitCode(GDSN) (UN Recommendation 20) *(only codes for temperature)*
Attribute(s)	[Storage Temperature Min and Max with UoM (2 of 3) -- minimumTemperature](#) [Storage Temperature Min & Max with UoM (3 of 3) -- maximumTemperature](#)

Code Value	Value Name	Definition
CEL	Degree Celsius	Celsius (also historically known as centigrade) is a temperature scale, the freezing point of water is 0 degrees Celsius (°C) and the boiling point 100 °C (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 100 degrees apart.
FAH	Degree Fahrenheit	The Fahrenheit temperature scale, the freezing point of water is 32 degrees Fahrenheit (°F) and the boiling point 212 °F (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 180 degrees apart.
KEL	Kelvin	Kelvin: a unit of absolute temperature equal to 1/273.16 of the absolute temperature of the triple point of water. One kelvin degree is equal to one Celsius degree.

4   Glossary

The following glossary was updated for the September 2015 publication of this document. Please refer to the GDSN glossary in the GS1 GDD (http://apps.gs1.org/GDD/glossary/Pages/Home.aspx) for the latest version.

Term	Acronym	Definition
Brand Owner		The party that is responsible for allocating GS1 System numbering and barcode symbols on a given trade item. The administrator of a GS1 Company Prefix.
Business Message Standard	BMS	Business Message Standards are an artifact of the GSMP that documents the formally-approved standards for a business message. Each Business Message Standard brings together the appropriate classes, Attributes, and values needed to fulfil the message objective. Specific definitions are provided to ensure clarity around class, Attributes, and values. Syntax constraints are identified. The standard also includes the high level and detail level class diagrams depicting the scope of the message, and the relationship of its elements to each other.
Carrier		The party that provides freight transportation services or a physical or electronic mechanism that carries data.
Catalogue Item Confirmation	CIC	A message standard that refers to electronic communication from the Data Recipient to the Data Source indicating what action has been taken by the Data Recipient on the item. The confirmation process occurs in the recipient's data pool. Confirmation is not mandatory. When used, it provides for the following outcomes: • **Synchronized:** data is integrated, in synch and added to the synchronization list • **Accepted:** data is added to the synchronization list and will be in synch • **Rejected:** data will no longer be synchronized or updates will no longer be provided • **Review:** a request to the data source to "review" their data because the data recipient has received discrepant data, which they cannot synchronize
Catalogue Item Notification	CIN	A business message used to transmit new or updated trade Item information from a Source Data Pool to a Recipient Data Pool and further to the Data Recipient within the GDSN.
Catalogue Item Publication	CIP	A business message standard from the Data Source to the Source Data Pool to publish an Item within the GDSN. The CIP can be used to publish the Item to a specific Data Recipient or a specific Target Market.
Catalogue Item Subscription	CIS	A business message used by the Data Recipient to establish a request for trade Item information. The Subscription criteria can be any combination of the GTIN, GLN, Target Market and GPC at the exception of the combination with GTIN and GPC that are mutually exclusive. The Recipient Data Pool will forward the CIS to the GS1 Global Registry. The GS1 Global Registry will forward the CIS to one or more Source Data Pools that have at least one Item that matches the Subscription criteria.
Common Value to all Product Hierarchy		Common value condition indicates when the value for the attribute is equal for all levels of a hierarchy. • Example – "orderingLeadTime" is common across all levels of the product hierarchy; common value = Yes • Example – "grossWeight" is not common from each to case to pallet; Common value = No
Customer		The party that receives, buys, or consumes an item or service.

Term	Acronym	Definition
Food & Beverage Industry		Sector that includes trading partners in both Foodservice as well as the Food Retail
Global Data Dictionary	GDD	The repository of definitions and attributes of all data elements used within the GS1 Business Message Standards.
Global Data Synchronization Network	GDSN	The GDSN is an Internet-based, interconnected network of interoperable data pools and the GS1 Global Registry that enables companies around the world to exchange standardized and synchronized supply chain data with their trading partners.
Global Location Number	GLN	The GS1 Identification Key comprising a GS1 Company Prefix, Location Reference, and Check Digit used to identify physical locations or legal entities.
Global Trade Item Number	GTIN	The GS1 Identification Key for trade items.
GS1 Global Product Classification	GPC	A component of GS1 GDSN. It provides the required global framework for trade item categorisation supporting global data synchronisation.
GS1 Global Registry		A component of GS1 GDSN. It acts as a pointer (directory for the registration) to source data pools where catalogue item and party master data is housed. It also fulfils the role of matching subscriptions to registrations to facilitate the synchronisation process.
GS1 Global Standards Management Process	GSMP	A component of GS1 Services. It is offered as an integral part of GS1's standards development and maintenance process. It allows for user members' active involvement.
GS1 Identification Key		A numeric or alphanumeric field managed by GS1 to ensure the global, unambiguous uniqueness of the identifier in the open demand or supply chain.
GS1 Identification Keys		A globally managed system of numbering used by all GS1 Business Units to identify trade items, logistic units, locations, legal entities, assets, service relationships, and more. The Keys are built by combining GS1 member company identifiers (GS1 Company Prefix) with standards based rules for allocating reference numbers.
GS1 Member Organization		A member of GS1 that is responsible for administering the GS1 System in its country (or assigned area). This task includes, but is not restricted to, ensuring user companies make correct use of the GS1 System, have access to education, training, promotion and implementation support and have access to play an active role in GSMP.
GS1 Prefix		A number with two or more digits, administered by the GS1 global Office that is allocated to GS1 Member Organizations or for Restricted Circulation Numbers.
GS1 System		The specifications, standards, and guidelines administered by GS1.
GS1 XML		A component of GS1 eCom. It represents the GS1 standard for Extensible Markup Language schemas providing users with a global business messaging language of e-business to conduct efficient Internet-based electronic commerce.
Net Content		The total amount of the trade item contained by a package, usually as claimed on the label. For example if a trade item is a 6 pack of 4oz. applesauce the net content of this trade item s 24 oz.
Net Weight		The weight of the trade item not including any packaging.

Term	Acronym	Definition
Party		A Party (or) Location is any legal, functional or physical entity involved at any point in any supply chain and upon which there is a need to retrieve pre-defined information.
Product Hierarchy Reference Level		This condition is used to indicate at what level of the product hierarchy each attribute is relevant. For some attributes, business requirements are such that the attribute only needs to be provided at a specific level. Example – "netContent" this field is only required at the consumer unit level. For most attributes, a value must be entered for all attribute levels.
Recipient Data Pool	RDP	A Recipient Data Pool is the data pool that is linked to the Data Recipient. It notifies the GS1 Global Registry when its customer (Data Recipient) wants to subscribe to trade item information. The RDP receives new and updated trade item information from the Source Data Pool and forwards it to the Data Recipient.
Registry Catalogue Item Registry	RCIR	A business message used to register basic Catalogue item information from the Data Source to the GS1 Global Registry via the Source Data Pool within the GDSN.
Source Data Pool	SDP	A Source Data Pool is the Data Pool that is linked to the Data Source. It provides Validation Services to ensure the data entering the GDSN is valid. It collects trade item information from Data Sources to be registered with the GS1 Global Registry and uses GS1 Standard XML Messages to register the catalogue item information with the GS1 Global Registry. It also uses GS1 Standard XML Messages to exchange item information with the Recipient Data Pool.
Supplier		The party that produces, provides, or furnishes an item or service.
Target Market		Target Market is a geographical area where the catalogue item is intended to be sold. The Target Market is a region based on geographical boundaries sanctioned by the United Nations. In GDSN, the list of the geographical regions is defined by the ISO-3166-* code system.
TI/HI		Ti/Hi is a concept used to describe how product is stacked on a pallet. The "TI" is the number of cartons on a layer, and the "HI" is the number of layers of cartons on a pallet.
Trade Item		Any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, or ordered, or invoiced at any point in any supply chain.
Variable Measure Trade Item		An item always produced in the same pre-defined version (e.g., type, design, and packaging) that may be sold at any point in the supply chain, which either may vary in weight/size by its nature or which may be traded without a pre-defined weight/size/length.

5   Additional Resources

The following documents provide additional background and relevant information:

- *GDSN Trade Item for Data Alignment BMS*: Standards document for GDSN Trade Item for Data Alignment. It contains business rules, GDD attributes, and class diagrams.

- *Catalogue Item Synchronisation BMS*: Standards document for GDSN Catalogue Item Synchronization. It contains detailed use-cases of the GDSN message choreography.

- *GS1 XML Technical User Guide*: The technical guidelines to the structure and design of the GS1 XML.

- *GDSN XML Operations Manual*: The user operations manual for the GDSN.

- *GS1 Global Data Dictionary (GDD)*: A repository of core component and business definitions and their equivalent representations in targeted standards.

- *GDSN Validation Rules*: Distributed Global Validation Rules required to support the Global Data Synchronization process.

- *GS1 General Specifications*: The core standards document of the GS1 System describing how GS1 BarCodes and identification keys should be used.

- *GTIN Management Standard*: Standards to help industry make consistent decisions about the unique identification of trade items in open supply chains

- *Products Image Application Guidelines*: A set of guidelines from the Foodservice GS1 US Standards Initiative on how to apply and use of the GDSN Product Image Specification.

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