

Integrated Guideline Part 5a:

Master Data Attribute Implementation – Guidelines

Supply Chain Management for Fresh Fruit and Vegetables



in collaboration with
Frug i Com
Foundation  to transform Fresh Chain Information



Partners involved in the development of this document

GS1 in Europe

GS1 in Europe is a collaboration of 47 GS1 member organisations and leads the creation and implementation of harmonised, user-driven solutions for improving the supply and demand chain of European companies. Further information on GS1 in Europe and the activities in the area of fruit and vegetables can be obtained from www.gs1.eu.

Frug I Com (Foundation Platform Fresh Chain Information)

Frug I Com is a unique collaboration of the Dutch Potato, Fruit and Vegetable Supply Chain. The ultimate goal is to establish electronic exchange of information between the participants in the Potato, Fruit and Vegetable Supply Chain by means of uniform labelling using electronic messages. Working with information standards allows Fruit and Vegetable Supply Chain companies to make optimum use of the information available in the supply chain and to apply it to order processing, tracing of products, optimising logistics and quality improvement. The result? A faster and more efficient supply chain which is less error-prone. Further information see www.frugicom.nl.

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Log of Changes

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Issue 0.1	Jun-2013	Pere Rosell	1st draft of the guideline. Proposed structure for the guideline and the feedback collected after the F2F meeting in Paris.
Issue 0.2	Jun-2013	Pere Rosell	Updates after 2 conference calls: <ul style="list-style-type: none"> - GPC chapter added - Packaging type codes added - Attributes updated with mandatory/optional status - IFPS Colour code list updated - Post-harvest treatment code
Issue 0.9	Jul-2013	Pere Rosell	Updates agreed in the July 9 th Conference Call. Comments received after the call Document cleaned from “internal notes”
Issue 1.0	Jul-2013	Pere Rosell	Updates agreed in the July 19 th Conference Call. New chapters added: organic items, examples review and XML samples. This document is the proposed draft for piloting GDSN in Fresh Foods.
Issue 1.1	Oct-2014	Pere Rosell	EU1169 Requirements Auction Scenario enhancements
Issue 1.2	Sep-2015	Pere Rosell	MjR3 mapping added
Issue 1.3	Sep-2016	Pere Rosell / Xavier Pujol	Final edits on MjR3 Updates agreed during March 3 rd meeting including PackagingFeatureCode Updates agreed during September 29 th meeting including GDSN 2.8 mapping elimination and restructuring of EU1169 chapter
Issue 1.4	March-2017	Xavier Pujol	Updates on growing method code and organic claim agency Updates on Packaging Type Code list. New codes added (Multipack, Pouch, Display & Banderole) and updates on existing codes (pot, sack, carrying package, sleeve & crate) 4 new attributes added to the guideline certificationAgency certificationStandard certificationValue packaging Marked Label Accreditation Code Elimination of GDSN 2.8 mapping
Issue 1.5	May-2017	Xavier Pujol	Split Guidelines in Part A – Master Data Attributes Definition and Part B – User Cases and Examples

Issue No.	Date of Change	Changed By	Summary of Change
Issue 1.6	Sep-2017	Xavier Pujol	<p>Updates agreed during September 18th meeting including changes in provenanceStatement, netContent, organicInformation, descriptiveSize and minor errors corrections.</p> <hr/> <p>EU 1169/2011 mapping table added BMS 3.1.3 Updates</p>
Issue 2.0	February 2018	Ferran Domènech	<p>Changes in Country of Origin/Provenance Statement Usage</p> <p>Final Editing for publication.</p> <hr/>
Issue 2.1	September 2018	Ferran Domènech	<p>Add Table of Country of Origin and Provenance Statement values.</p> <p>Add Implementation Note for Produce Variety Type and removal of word "brand".</p> <hr/>
Issue 2.2	October 2018	Ferran Domènech	<p>Add PackagingTypeCode PLASTIC_BIO_PLASTIC in ANNEX 1 Table in cases where can apply.</p> <p>Add new columns in ANNEX 4 for Loose products.</p> <p>Remove Country of Origin as a recommendation for ProvenanceStatement value text in ANNEX 4 table.</p> <hr/>
Issue 2.3	December 2018	Ferran Domènech	<p>Change of packageTypeCode for Big Bag. ZU code updated according to last version of PackageTypeCode_GDSN Codelist.</p> <hr/>

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1. Introduction

1.1. General Guidance

Companies whose item master lists or databases (commonly referred to in the industry as an “item master”) use “free form” product descriptions are encouraged to replace those descriptions with standardized product descriptions based on established produce attribute definitions. This will make it easier to maintain an item master list.

There are hundreds of attributes defined by GS1 today. In the guide we have outlined attributes specific for the Fruits & Vegetable sector for GS1 in Europe members. This guide is designed to provide guidance for implementing New Item Listing of your product(s) and exchanging Master Data Attributes between trading partners.

The content of this guideline is fully aligned with the document published by GS1: “Fruit & Vegetable Master Data Attribute Implementation Guide”. The content of this document has been expanded to better support the deployment of GDSN if the Fruit & Vegetable sector.

1.2. Purpose and Scope of this Document

The purpose of the Fruit & Vegetable Master Data Attribute Implementation Guide is to provide best practice guidelines for industry-wide adoption for New Item Listing and update of existing assortment.

This guide provides support to companies seeking to electronically exchange fruit & vegetable product information in accordance with GS1 Standards. The guidance applies to the full range of fruit & vegetable trade items. The guide outlines which attributes should be used for fruit & vegetable items and recommends best practices for the use of these standards to exchange static fruit & vegetable data between suppliers and retailers. Today, different platforms as well as different means to item identification exist when it comes to data sharing. The use of GS1 Standards, specifically for Identification, Master Data Alignment, Traceability, Track and Trace, Barcode labels and EDI transactions, provides a common platform to help supply chain partners share and understand the same information about products and locations.

Attributes are used as a means to describing specific information about an item when transacting business. They reflect a certain characteristic about the item such as identifiers, weights, dimensions, and manufacturer or supplier information.

The guide outlines Industry Core Specific, Industry Commodity Required and Target Market attributes to be used by the Fresh Fruit & Vegetable industry. This guide is platform neutral and can be used with or without third party service providers. Adoption of the guidance offered in this document is voluntary and will be determined by the trading partner relationship.

The data model proposed is independent of any means used to exchange this information, the usage of the GDSN Network to exchange this data bring additional benefits to the industry. The guideline also provides the link between the data attribute and how to use it in the GDSN Network.



Note: The trading of Fruits & Vegetables is subject to regulation in some target markets. Examples in this guideline are intended to communicate best practices for the exchange of master product data and may not include other information required by local regulation or by trading partners.

2. Master Data Attributes & Definitions

Master Data Attributes – The base for long term success in your business

Using the Global Trade Item Number (GTIN) is the key to a successful business. As a supplier of fruits and vegetables you need the GTIN to uniquely identify your product. The GTIN is the key to modern electronic business processes. Single components of the GS1 System fit to each other as tools in a tool box. They can be variously combined. Producers and suppliers are able to optimize their business processes step-by-step using this GS1 tool box.

The GTIN is linked to Attributes which provide specific details of the product. Synchronising complete and accurate data attributes at the beginning of the New Item Listing process will save time and money in the long run. From there, everything else falls into place such as transmitting orders, dispatch advices/ASNs (Advance Shipping Notice) and electronic invoices. Mistakes can be avoided and communication to customers accelerated. All partners in the supply chain gain benefits.

There are hundreds attributes to describe a product but this guide points out attributes necessary for identifying fruit & vegetable products. We have broken these attributes into 4 sections:

- **Industry Core Attributes** – these attributes apply to all Fruit & Vegetable commodities.
- **Industry Commodity Required Attributes** – attributes specific to a certain products
- **EU 1169 Data requirements and other EU regulations for Fruit & Vegetable Trade Items**
- **Managing Equivalent Trade items in the Auction/Broker Scenario**



Note: As a guide when filling out a New Item Listing form or updating existing assortment, fill in the Industry Core Specific attributes first. Second, fill in the Industry Commodity Required attributes and third the Target Market attributes.

The list of attributes and definitions in the following tables are taken from the GS1 Global Data Dictionary, with some additional guidance provided for implementation, the Business Message Standard and the class in the data model where the item is defined.

2.1. Industry Core Attributes

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
M	M	Global Trade Item Number	gtin TradeItem TradeItemIdentification	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. GTIN is one of the keys of the GS1 System	
M	M - O	Brand Name	brandName languageSpecificBrandName TradeItemDescriptionModule BrandNameInformation	The recognisable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	Different Brand Name implies a different GTIN. We may have the need to manage different languages (Russian, Greek, ...) for the brand, in addition to the brandName, the attribute to use will be: languageSpecificBrandName If there is no brand, then detail "UNBRANDED" as brandName
O	D	Produce Variety Type	ProductCharacteristicsCode = produceVarietyType ProductCharacteristicsValueCode ProductCharacteristicsModule	Specifies the variety of produce.	It depends on the product. The main source of data will be the UN/ECE Standards: http://www.unece.org/trade/agr/standard/fresh/ffv-standardse.html Not permitted to enter trademarks/ club varieties in this field. Examples of trademarks/club varieties are: Pink Lady (variety Cripps Pink), Kanzi (variety Nicoter) and Jazz (variety scifresh).

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Growing Method Code	growingMethodCode FoodAndBeverageIngredientModule FarmingAndProcessingInformation	The process through which fresh produce is grown and cultivated.	The accepted codes for this attribute are: CONVENTIONAL, FIELD_GROWN, GREENHOUSE, HYDROPONIC, INTEGRATED_PEST_MANAGEMENT, ORGANIC, SHADE_GROWN and WILD. When ORGANIC code is indicated, an organic claim agency code should also be provided.
O	C	Trade Item Provenance Statement	provenanceStatement PlaceOfItemActivityModule PlaceOfProductActivity	The place a trade item originates from. Text that corresponds to the claim of provenance as formulated on the packaging of the trade item.	The same information on the packaging must be provided on this attribute Legal requirement defined in the EU Regulation 543/2011. Article 7
O	M	Trade Item Country Of Origin	countryOfOrigin PlaceOfItemActivityModule PlaceOfProductActivity	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. Implementation Notes: The Country of Origin is the list of all potential countries the item could be grown in. It is the actual Country of Origin for each transaction to be exchanged via transactional data. This entry should represent the actual country of origin where the item is grown.	Mandatory for EU Regulations. EU and NON-EU are allowed. Use the 3-digit numeric ISO 3166-1 code list. Additional Code NON_EU The GPC will be used to provide this information as well. See ANNEX 4 for specific values per type of product (including temporary approach per mixed products).
M - O	M	Functional Name	functionalName TradeItemDescriptionModule TradeItemDescriptionInformation	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	M	Packaging Type Code	packagingTypeCode packagingTypeDescription PackagingInformationModule Packaging Review PackageTypeCodes - > see appendix	Identifying the type of package used as a container of the trade item.	The description of the packaging type (packagingTypeDescription) is optional and to be provided as accurate as possible by the supplier. For an example, see the addendum.
O	O	Quantity Of Next Lower Level Trade Item	quantityOfNextLowerLevelTradeItem TradeItem ChildTradeItem	The number of one child trade item contained by the parent trade item. The number of next lower level trade item that this trade item contains. This applies to a specific child GTIN and denotes how many of that child there are	Mandatory when describing the hierarchy of the product and the contained GTIN
O	O	Net Content & UoM (Unit of Measure)	netContent TradeItemMeasurementsModule TradeItemMeasurements	The amount of the trade item contained by a package, usually as claimed on the label. Implementation Notes The total declared weight, volume or content on the package. This field is defined as multimeasurement to accommodate several values and UoMs as necessary. The net content is required when the GTIN is marked as being a consumer unit. It is the sellable unit to the consumer.	At consumer package level this attribute is mandatory. For loose products without label the net content must be 1 and unit of measure equal to H87 It can be pieces, weight, ...

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
M	M	Height & UoM	<p>height</p> <p>TradeItemMeasurementsModule TradeItemMeasurements</p> <hr/> <p>Changes in the measurementUnitCode Code list</p>	<p>This is the height of both the unit load (content) and the platform upon which the goods are carried, if there is one. Height is the vertical dimension from the lowest extremity to the highest extremity.</p> <hr/> <p>Implementation Notes The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade item height will include the height of the pallet itself. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.</p>	<p>UN/ECE says that depending on the product, we have sizes, other do not. For some products we have sizes and for the others we have size codes provided by UN/ECE (size range)</p> <hr/> <p>For all the consumer units unpacked and identified by a GTIN, the dimensions of the consumer unit are not relevant, since this information is defined by the calibre. The value of the calibre is transmitted in the field descriptive size. Since this data is mandatory in GDSN, a default value of 1 mm can be used as dummy data for this parameter.</p>
M	M	Width & UoM	<p>width</p> <p>TradeItemMeasurementsModule TradeItemMeasurements</p> <hr/>	<p>The measurement of the extent of something from side to side. Width is the measurement from left to right.</p> <hr/> <p>Implementation Notes: The measurement from left to right of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.</p>	<p>For all the consumer units unpacked and identified by a GTIN, the dimensions of the consumer unit are not relevant, since this information is defined by the calibre. The value of the calibre is transmitted in the field descriptive size. Since this data is mandatory in GDSN, a default value of 1 mm can be used as dummy data for this parameter.</p>
M-O	M	Depth & UoM	<p>depth</p> <p>TradeItemMeasurementsModule TradeItemMeasurements</p> <hr/>	<p>The measurement from front to back of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.</p>	<p>For all the consumer units unpacked and identified by a GTIN, the dimensions of the consumer unit are not relevant, since this information is defined by the calibre. The value of the calibre is transmitted in the field descriptive size. Since this data is mandatory in GDSN, a default value of 1 mm can be used as dummy data for this parameter.</p>

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Gross Weight & UoM	grossWeight TradeltemMeasurementsModule <u>TradeltemWeight</u>	The weight of both the unit load (content) and the plat-form upon which the goods are carried, if there is one. Implementation Notes: This would be the sum of the net weight of the product plus the tare weight of the packaging. Refer to the examples under the PMA Value List column for gross weight.	
O	M	Trade Item Description	tradeltemDescription TradeltemDescriptionModule TradeltemDescriptionInformation	An understandable and useable description of a trade item using brand and other descriptors.	
M	M	Trade Item Unit Descriptor	tradeltemUnitDescriptorCode Tradeltem	Describes the hierarchical level of the trade item. If have more than one level of packaging hierarchy, would have a separate entry/record for each level of packaging hierarchy. The hierarchical level can be a bin, a case, or a consumer unit, etc.	Code list with the following available values: BASE_UNIT_OR_EACH CASE DISPLAY_SHIPPER MIXED_MODULE PACK_OR_INNER_PACK PALLET
O	O	Net Weight & UoM	netWeight TradeltemMeasurementsModule <u>TradeltemWeight</u>	Used to identify the net weight of the trade item. Net weight applies to all levels but consumer unit level. Net Weight excludes all packaging material, including the packaging material of all lower-level GTINs. Implementation Notes Does not include tare weight. In the case of a variable weight product, this would be the average weight. It is recommended that this be populated at all levels of the published hierarchy	
O	O	Quantity Of Layers Per Pallet	quantityOfLayersPerPallet TradeltemHierarchyModule TradeltemHierarchy	This would be the number of layers for a full pallet; for example the produce industry predominately uses the GMA 48x40 pallet for one product. The attribute would be the total number of layers for a pallet or the "HI". These are populated on the highest non-Pallet GTIN in the hierarchy.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Quantity Of Trade Items Per Pallet Layer	quantityOfTradeItemsPerPalletLayer TradeItemHierarchyModule TradeItemHierarchy	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.	
M	M	Effective Date	effectiveDateTime TradeItem TradeItemSynchronizationDates	This field is the date the data becomes effective.	
O	O	Brand Owner (GLN)	gln TradeItemPartyInRole (+brandOwner)	Unique location number (Global Location Number or GLN) identifying the brand owner. May or may not be the same entity as the information provider.	Brand owner is the party responsible for assigning the GTIN. ¹ Even if the item is unbranded, the party responsible for assigning the GTIN must be detailed.
O	O	Name Of Brand Owner	partyName TradeItemPartyInRole (+brandOwner)	Name of the party who owns the brand of the trade item. This is the name of the company that owns the brand. For example, D'Arrigo Bros. owns Andy Boy brand so the value entered for Brand Owner is D'Arrigo Bros. where Andy Boy is the Brand name	
M	M	Information Provider Of Trade Item (GLN)	gln TradeItemPartyInRole (+informationProviderOfTradeItem)	The GLN and additional identification(s) that identify the party providing the information about the trade item. This GLN may not be the same as the brand owner, specifically in the case of private label brands. It is the GLN for the provider of the product information which may or may not be the GTIN owner.	Party responsible that the data provided is correct. It will normally be the trader.
M	M	Name Of Information provider	partyName TradeItemPartyInRole (+informationProviderOfTradeItem)	Name of the party who owns the data. Name of the information provider on the trade item.	

¹ Refer to GTIN Allocation rules

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	N	Name of Manufacturer	partyName TradeItemPartyInRole (+manufacturerOfTradeItem)	Descriptive name of the manufacturer of the trade item. This is the name(s) of the company which is responsible for the manufacturing process. This field can be repeated as necessary in conjunction with the Manufacturer GLN.	
O	N	Manufacturer of Trade Item (GLN)	gln TradeItemPartyInRole (+manufacturerOfTradeItem)	The identification of the manufacturer of the trade item. Unique location number (Global Location Number or GLN) identifying the manufacturer.	
M	M - O	Is Trade Item An Orderable Unit	isTradeItemAnOrderableUnit TradeItem	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.	
M - O	M	Is Trade Item A Variable Unit	isTradeItemAVariableUnit VariableTradeItemInformationModule VariableTradeItemInformation	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.	
M - O	M	Is Trade Item A Base Unit	isTradeItemABaseUnit TradeItem	An indicator identifying the trade item as the base unit level of the trade item hierarchy. This is y/n (Boolean) where y indicates the trade item is a base unit.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
M - O	M	Is Trade Item A Consumer Unit	IsTradeItemAConsumerUnit TradeItem	Identifies whether the current hierarchy level of a trade item is intended for a ultimate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf planning and for front end POS databases. This indicator is populated when this GTIN level is marked so as to be processed across a point of sale system for sale to an end user.	
M - O	M	Is Trade Item A Despatch Unit	IsTradeItemADespatchUnit TradeItem	An indicator identifying that the information provider considers the trade item as a despatch (shipping) unit.	
M - O	M	Is Trade Item An Invoice Unit	isTradeItemAnInvoiceUnit TradeItem	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.	
M	M	Is Packaging Marked Returnable	isPackagingMarkedReturnable PackagingMarkingModule PackagingMarking	Trade item has returnable packaging.	This refers to the packaging for this GTIN level, and not the product itself. This is the empty shipping container, primarily.
O	O	Is Non Sold Trade Item Returnable	isNonSoldTradeItemReturnable DeliveryPurchasingInformationModule OrderableReturnableInformation	Indicates that the buyer can return the articles that are not sold. This is an indicator that any product which is not sold can be returned.	
O	O	Is Trade Item Marked As Recyclable	isTradeItemMarkedAsRecyclable PackagingMarkingModule PackagingMarking	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Quantity Of Complete Layers Contained In Trade Item	quantityOfCompleteLayersContainedInTradeItem TradeItemHierarchyModule TradeItemHierarchy	The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit. Implementation Notes: Do not use this attribute unless you have assigned a GTIN to the pallet level of the hierarchy and the pallet is an orderable and invoice unit of measure. This is only populated on the Pallet GTIN.	
O	O	Quantity Of Trade Items Contained In A Complete Layer	quantityOfTradeItemsContainedInACompleteLayer TradeItemHierarchyModule TradeItemHierarchy	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.	Do not use this attribute unless you have assigned a GTIN to the pallet level of the hierarchy and the pallet is an orderable and invoice unit of measure. This is only populated on the Pallet GTIN.
O	O	Quantity Of Trade Items Per Pallet	quantityOfTradeItemsPerPallet TradeItemHierarchyModule TradeItemHierarchy	The number of trade items contained in a pallet. This is total number of units on a pallet (should be TI x HI)	
M	M	Start Availability Date Time	startAvailabilityDateTime DeliveryPurchasingInformationModule DeliveryPurchasingInformation	The date from which the trade item becomes available from the manufacturer, including seasonal or temporary trade item and services. This is the date when orders can first be placed.	
M - O	M	Last Change Date Time	lastChangeDateTime: TradeItemSynchronizationDates	Indicates the point in time where the last modification on a Trade Item was made.	
O	O	Description Short	descriptionShort TradeItemDescriptionModule TradeItemDescriptionInformation	A free form short length description of the trade item that can be used to identify the trade item at point of sale. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Additional Trade Item Description	additionalTradeItemDescription TradeItemDescriptionModule TradeItemDescriptionInformation	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, Color, and Fragrance. The schema uses common library component as shown in the GDD (Global Data Dictionary) Max Size field. For the business requirements for item, please use the specific definition of this data type and field...	
M	M	Classification Category Code	gpcCategoryCode gpcAttributeTypeCode gpcAttributeValueCode GDSNTradeItemClassification TradeItem	The classification category associated with a specific condition.	This is the GPC Brick Code (classificationCategoryCode). It classifies the type of produce, the category of produce and the commodity itself. The Attributes of the Bricks(gpcAttributeTypeCode) and the Values for the attributes(gpcAttributeValueCode) of the bricks are mandatory.
O	D	Ingredient Sequence	ingredientSequence FoodAndBeverageIngredientModule FoodAndBeverageIngredient	This is an Integer (01; 02; 03...) indicating the ingredient order by content percentage of the product. (major ingredient = 01; second ingredient = 02) etc.	For single fresh fruits&vegetables products, ingredients are not used. We could use it in variety packages to detail the ingredients of the package. Dependence: If the "Ingredient Name" or "growingMethodCode" is detailed, then the "Ingredient Sequence" is mandatory.
O	O	Ingredient Name	ingredientName FoodAndBeverageIngredientModule FoodAndBeverageIngredient	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.	If "Ingredient Name" is used then the "Ingredient sequence" is mandatory.
O	O	Ingredient Statement	ingredientStatement FoodAndBeverageIngredientModule	Information on the constituent ingredient makeup of the product specified as one string. Can only occur one time per GTIN.	

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	M	Packaging Type Code	packagingTypeCode packagingTypeDescription PackagingInformationModule Packaging Review PackageTypeCodes - > see appendix	Identifying the type of package used as a container of the trade item.	The description of the packaging type (packagingTypeDescription) is optional and to be provided as accurate as possible by the supplier. For an example, see the addendum.
O	D	Packaging Material Code	packagingMaterialTypeCode PackagingInformationModule PackagingMaterial	The code identifying the material of the type of package used as a container of the trade item.	See the codelist on GDSN for “PackagingMaterialTypeCode” Dependence: This attribute is required depending on the packaingTypeCode. See Addendum.- Package type codes, packaging material codes and packing feature codes
O	D	Packaging Feature Code	packagingFeatureCode PackagingInformationModule PackagingMaterial	A packaging feature that facilitates the usage of the product by the consumer. Features do not affect the core composition of the packaging type nor modify its usage.	See the codelist on GDSN for “PackagingFeatureCode” Dependence: This attribute is required depending on the packaingTypeCode. See Addendum.- Package type codes, packaging material codes and packing feature codes
O	O	Display Type Code	displayTypeCode TradeItem DisplayUnitInformation		

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	D	Organic Claim Agency	organicClaimAgencyCode FarmingAndProcessingInformationModule OrganicClaim	A governing body that creates and maintains standards related to organic products.	It is mandatory for "ORGANIC" products. Common values: 6 - USDA - US Department of Agriculture 22 - EU commission Check the full list https://www.gs1.org/voc/OrganicClaimAgencyCode
O	D	Organic Trade Item Code	organicTradeItemCode FarmingAndProcessingInformationModule OrganicClaim	Used to indicate the organic status of a trade item or of one or more of its components.	It is mandatory for "ORGANIC" products. Recommended values: 1 - 100% Organic 5 - Not organic 6 - In conversion
O	M	Target Market Country Code	targetMarketCountryCode TradeItem TargetMarket	The name for the specific target market identified with the Target Market Country Code. The description will be generated from the ISO 3166-1 code list. The target market is at country level or higher geographical definition and is where a trade-item is intended to be sold.	ISO 3166-1 Code list.
N	O	Certification Standard	certificationStandard CertificationInformationModule	Name of the certification standard. Free text. Example: Egg classification.	This set of attributes must be used for certificates such as Rain Forest Alliance, Fair for life, etc.
N	O	Certification Agency	certificationAgency CertificationInformationModule	Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.	
N	O	Certification Value	certificationValue CertificationInformationModule	The product's certification standard value	Default value "VALID" should be provided in this attribute.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
N	O	Packaging Marked Label Accreditation Code	packagingMarkedLabelAccreditationCode PackagingMarkingModule	A marking that the trade item received recognition, endorsement, certification by following guidelines by the label issuing agency. This does not represent claims for regulatory purposes on products such as free from markings.	

Note: M – Mandatory, O – Optional, D – Dependent, N – Not applicable

Note: WR has been submitted to the GMSP to include certificationStandard, certificationAgency, certificationValue and packagingMarkedLabelAccreditationCode in the global guideline

2.2. Industry Commodity Required Attributes

M/O GDSN	M/O F&V GS1 in Eu	Industry Commodity Required Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes from GS1 in Europe.
O	D	Descriptive Size	descriptiveSize TradeItemSizeModule NonPackagedSizeDimension	An alphanumeric size factor the brand owner wishes to communicate to the consumer. Example - Jumbo, Capri, Full Length, Maxi For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	<p>If sizing is described for this product in any regulation, then it is mandatory. Priority assignment: EU Regulation 531/2011 has regulations on sizing: 10 major products to have sizing on certain products: apples, ... For the other products, we use the Agricultural Quality Standards: UNECE/FFV or UNECE/DDP. Depending on the product, other standard may be applicable. For each commodity, there is a section "provisions for sizing" http://www.unece.org/trade/agr/standard/ffv/ffv-standardse.htm</p> <p><u>Apples:</u> Size, or for fruit packed in rows and layers, number of units. (Size is determined either by the maximum diameter of the equatorial section or by weight.) Examples: 70-80mm, 100-120g</p> <p><u>Oranges:</u> Size expressed as: — Minimum and maximum sizes (in mm) or — Size code(s) followed, optionally, by a minimum or maximum size or Count.</p> <p>Since ranges are used to define the size, it is recommended to use the "descriptiveSize"</p>
O	O	Maturity at Time of Sale	maturationMethodCode	The method of maturity for the item at the time of its sale	Code list: JET_FRESH

			FarmingAndProcessingInformationModule FarmingAndProcessingInformation		READY_TO_EAT TREE_VINE_RIPE PRECONDITIONED TRIGGERED
O	D	Grade Code	gradeCodeReference MarketingInformationModule MarketingInformation	A code indicating the degree of refinement, features and capabilities for a trade item. An accepted level or standard to determine the quality of fresh produce. Quality grades provide a common language among buyers and sellers, which in turn assures consistent quality for consumers	It is mandatory when the regulation establishes it. We recommend to use the UNECE to identify the grade/class code. The "grade" code is used in the American market by USDA, in the European regulation, UNECE and Codex Alimentarius make reference to the "Class"
O	D	Grade Code Agency	gradeCodeReference Code\codeListAgency Code MarketingInformationModule MarketingInformation	An agency that manages a grade code list for example ISO.	Code list to be used: USDA UNECE CODEX_ALIMENTARIUS EU
O	D	Colour	colourDescription TradeItemDescription Module Colour	Information specifying a colour in text and / or coded format.	If colour is described for this product in any regulation, then it is mandatory. The colorCodeValue: The code list is available in the IFPS website: http://www.ifpsglobal.com/identification/IFPS-Color-Code-List The colourCodeListCode @AgencyCodeList is value "11 – IFPS" The description of the codes will be provided in different languages depending on the target market.
O	O	Commercial Type	variantDescription TradeItemDescription Module TradeItemDescription	Free text field used to identify the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.	Examples for melons: Ananas, Baskavas, Galia, Canari, Rochet, ... Examples for potatoes: Early Potatoes waxy, New potatoes floury, Ware potatoes predominantly waxy, ..

O	O	Rank Below Species	rankBelowSpecies OrganismClassification Module OrganismClassification	<p>"This can be either the Sub-Species, Variety, Sub-Variety, Form, and/or Sub-Form of an organism. All are taxonomic rank below that of species.</p> <ul style="list-style-type: none"> • A Sub-Species is a taxonomic rank subordinate to species. • A Variety will have an appearance distinct from other varieties, but will hybridize freely with other varieties of the same species (if brought into contact). Usually varieties will be geographically separate from each other. • A Sub-Variety is a subordinate variety, or a division of a variety. <p>A Form usually designates a group with a noticeable but minor deviation. For instance, white-flowered forms of species that usually have coloured flowers can be named a ""f. alba"".</p> <ul style="list-style-type: none"> • subspecies • varietas (variety) • subvarietas (subvariety) • forma (form) • cultivar • subforma (subforma) " 	
O	D	Inner Flesh Colour Code	ProductCharacteristicCode Product Characteristics Module	The name of the product characteristic being described for example numberOfPlys.	<p>If colour is described for this product in any regulation, then it is mandatory. It is commodity dependent.</p> <p>Use code innerFleshColourCode</p>
O	D	Inner Flesh Colour Code	productCharacteristicCode = innerFleshColourCode productCharacteristicValueCode Product Characteristic Module	The product characteristic value expressed as a code.	<p>If colour is described for this product in any regulation, then it is mandatory. It is commodity dependent.</p> <p>The colour of the inner flesh usually edible part of a fruit or vegetable.</p> <p>Use the code from the code list managed by IFPS. http://www.ifpsglobal.com/Identification/IFPS-Color-Code-List</p>

O	O	Post Harvest Treatment Chemical Code	postHarvestTreatmentChemicalCode Farming and Processing Information	Specifies if the fruit or vegetable has been treated or not post harvesting with a chemical or wax.	It the item is treated, then it is mandatory to provide this information for certain commodities. Use the following code list: CHEMICALLY_TREATED_AFTER_HARVESTING - fruit or vegetable has been treated chemically after harvesting e.g., Treated with a Chemical Preservative NOT_TREATED_AFTER_HARVESTING - fruit or vegetable has been not been treated chemically or waxed after harvesting WAXED - fruit or vegetable has had a layer of wax applied after harvesting
O	O	Post Process Trade Item Treatment Physical Code	postProcessTradeItemTreatmentPhysicalCode Farming and Processing Information	Produce has gone some physical process whether altered or other physical processes after harvesting.	It the item has undergone a physical treatment, it is mandatory to provide this information for certain commodities. Use the following code list: WASHED - produced has been cleaned by washing TRIMMED - produced has been cut or removal of parts of item, CROWN_REMOVED - product has had the plant part of itself removed e.g. the top of a pineapple PACKED_IN_ICE - produce has been packed in ice SPLIT - Produce has been cut/split into sections STEM_REMOVED - Stem of produced has been removed e.g cherry or Broccoli LEAFLESS - produce all leaves removed e.g. celery, radish
O	O	Cooking Type of Potatoes - (available in GPC only)		GPC definition: Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the manufacturer that specifies the cooking characteristics of potatoes . For culinary purposes, varieties are often described in terms of their waxiness	The attribute is mandatory when describing potatoes. The attribute is part of the GPC. The Brick for the potatoes is: 10006104 Attributes for the potato brick(10006104): → Cooking Type Of Potatoes(20002849) → Country/Zone of Origin(20000743) → Growing Method(20002739) → Type Of Potato(20002770)

O	O	Produce Seed Presence Type Code	productCharacteristicCode = produceSeedPresenceTypeCode productCharacteristicValueCode Product Characteristic Module	Specifies the amount of seeds for fresh fruits and vegetables e.g. for water melons, citrus fruits.	It is recommended for some commodities like: watermelon, clementine, grape,... Code values: SEEDLESS – Definition: Item contains No mature Seeds or potentially a few errant seeds. The determination of this is made by the supplier and is subject to target market regulations or trade organization guidelines. UNIDENTIFIED – Definition: Quantity or presence of seeds not determined SEEDS – Item contains the normal amount of mature seeds which are typical for this trade item. The determination of this is made by the supplier and is subject to target market regulations or trade organization guidelines. ALMOST_SEEDLESS – Item contains significantly less than normal mature seeds for this particular variety. Some mature seeds will exist in trade item. The determination of this is made by the supplier and is subject to target market regulations or trade organization guidelines.
O	M	Genus	genus OrganismClassification Module OrganismClassification	A taxonomic category ranking below a family and above a species and generally consisting of a group of species exhibiting similar characteristics. In taxonomic nomenclature the genus name is used, either alone or followed by a Latin adjective or epithet, to form the name of a species.	
O	D	Species	species OrganismClassification Module OrganismClassification	A fundamental category of taxonomic classification, ranking below a genus and consisting of related organisms capable of interbreeding. An organism belonging to such a category, represented in binomial nomenclature by an uncapitalized Latin adjective or noun following a capitalized genus name, as in Ananas comosus, the pineapple, and Equus caballus, the horse.	If the specie exists for a specific Genus, then the specie is mandatory.

O	D	Trade Item Form Description	<p>tradeItemForm Description</p> <p>TradeItemDescription Module</p> <p>TradeItemDescriptionInformation</p>	The physical form or shape of the product. Defines the form the trade item takes and is distinct from the form of the packaging.	<p>If the EU Standards mandate that this information is marked on the label, it is mandatory to exchange this data. Recommended values:</p> <p>OBLONG – a cylinder shape with rounded ends</p> <p>ELLIPSOID - rounded sides shape with more pointed ends</p> <p>ROUND – a completely circular shape with no flat sides or pointed ends</p> <p>RIBBED – Trade Item has ridges going from end to end</p> <p>ELONGATED – Trade Item is longer than normal similar type of product.</p> <p>SQUARE – shape with most sides being flat. Also referred to as blunt or block</p> <p>FLAT – closer to two sided Trade Item with flattened sides</p> <p>POINTED - long Trade Item that comes to a point at one end</p> <p>PEG_TOP – Shaped to be like a peg. Fat and wide at one end, short and coming to a smaller point on other end</p> <p>FLAT_ROUND – flat-like on two sides with rounded edges</p> <p>LONG – Trade Item is naturally and usually long</p> <p>IRREGULAR – bulk code to fill in shapes that are not a common type shape e.g. shallots can be round or elongated.</p>
O	O	Additional Trade Item Identification Type	<p>additionalTradeItemIdentificationTypeCode</p> <p>AdditionalTradeItemIdentification</p>	Code used to identify additional information provider of trade item.	Code value for IPS PLU: 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 the front registers.
O	O	Additional Trade Item Identification Value	<p>additionalTradeItemIdentification</p> <p>AdditionalTradeItemIdentification</p>	Code used to identify additional information provider of trade item.	Only IFPS PLU is recommended as additional identification. http://www.ifpsglobal.com/Identification/PLU-Codes/PLU-codes-Search
O	N	Brand Owner Additional Identification Type	<p>additionalTradeItemIdentificationTypeCode</p> <p>TradeItemPartyInRole</p>	Code used to identify additional brand owner identification value.	Not used in EU. This attribute is mentioned in this guideline to maintain consistency with the Global F&V Guideline

O	N	Brand Owner Additional Identification Value	additionalPartyIdentification Tradeltem PartyInRole	Number used to identify the brand owner when not using GLN. May or may not be the same entity as the information provider.	Not used in EU. This attribute is mentioned in this guideline to maintain consistency with the Global F&V Guideline
O	N	Information Provider of Trade Item Additional Identification Type	additionalTradeltemIdentificationTypeCode Tradeltem PartyInRole	Type of the identification system that is being used as an alternative to the Global Trade Item Number. This is the source of the additional item identification (SKU, Product ID, etc.)	Not used in EU. This attribute is mentioned in this guideline to maintain consistency with the Global F&V Guideline
O	N	Information Provider of Trade Item Additional Identification Value	additionalPartyIdentification Tradeltem PartyInRole	Alternative means to the Global Trade Item Number to identify a trade item. This field can be repeated as necessary in conjunction with the Additional Trade Item Identification Type.	Not used in EU. This attribute is mentioned in this guideline to maintain consistency with the Global F&V Guideline
O	D	Returnable Package Deposit Code	returnablePackageDepositIdentification PackagingInformation Module PackageDeposit	In some markets the deposit information is specified by a GTIN giving the type of returnable package on which a deposit is charged. Each deposit code is associated with an amount specified elsewhere. The enumeration list is maintained externally.	It is mandatory if the item is delivered in a returnable package. GRAI ² of the returnable item. (explain what the GRAI is)
O	O	Returnable Package Deposit Amount	returnablePackageDepositAmount PackagingInformation Module PackageDeposit	The monetary amount for the individual returnable package.	
O	O	Returnable Package Deposit Currency	returnablePackageDepositAmount (currency) PackagingInformation Module PackageDeposit	The monetary amount for the individual returnable package.	It is mandatory if the Returnable Package Amount is detailed.
O	O	Trade Item Marketing Message	tradeltemMarketingMessage MarketingInformationModule MarketingInformation	Marketing message associated to the Trade item.	To detail premium attributes of the item. Examples: with leaves in citrus fruits, laid in layers in apples/mangos, ...

Note: M – Mandatory, O – Optional, D – Dependent, N – Not applicable

² For additional information on the GRAI, check the following link: http://www.gs1.org/sites/default/files/docs/idkeys/GS1_GRAI_Executive_Summary.pdf

2.3. EU 1169 Data requirements and other EU regulations for Fruit & Vegetable Trade Items

EU Regulation 1169/2011 on the provision of food information to consumers is designed to make food labelling easier to understand, so that consumer health is protected and the consumer's right to information that allows them to make informed decisions is guaranteed. It changes existing legislation on food labelling in several ways and most of the rules must be applied by December 2014. The information related to the EU 1169/2011 can be exchanged using the following attributes in the GDSN Network that apply to fruit & vegetables.

The following table show the attributes required depending on the type of product: Loose, pre-packed, Fresh cut and processed

Legal requirement (Article 9)	GDSN attribute	Loose	Pre-packed	Fresh cut	Processed
Name of the food	regulatedProductName	N/A	M	M	M
List of ingredients	ingredientstatement	N/A	N/A	M	M
Any ingredient causing allergies	allergenTypeCode levelOfContainmentCode isAllergenRelevantDataProvided	D	D	D	D
Net quantity of the food	netContent	M	M	M	M
Drained net weight	drainedWeight	N/A	N/A	N/A	D
Special storage conditions	consumerStorageInstructions	D	D	D	D
Name of food business operator	contactName contactTypeCode	N/A	M	M	M
Address of food business operator	contactAddress	N/A	M	M	M
Country of origin	countryOfOrigin\countryCode	M	M	M	M
Instructions for use	preparationInstructions	N/A	N/A	N/A	O
Nutrient declaration	nutrientBasisQuantity servingSizeDescription preparationState	N/A	N/A	N/A	D

	dailyValueIntakeReference nutrientTypeCode quantityContained measurementPrecisionCode percentageOfDailyValueIntake percentageOfDailyValueIntakeMeasurementPrecision				
Additional particulars	compulsoryAdditiveLabelInformation	N/A	N/A	N/A	O

Note: M – Mandatory, O – Optional, D – Dependent, N/A – Not applicable

For the full mapping of the attributes related to EU 1169/2011 check the document “GDSN Implementation Guidelines for EU Regulation 1169/2011 Mandatory Information”

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Name of the food	regulatedProductName TradeItemDescriptionModule	The prescribed, regulated (legal) or generic product name or denomination that describes the true nature of the food and is sufficiently precise to distinguish it from other foods according to the country specific regulation.	Should be the same as the regulated name on the pack. In case of multiple languages in the same target market, repeat the attribute with the corresponding language ISO 639-1 alpha 2 code (2 letters, lower case). In the annexes III and VI of the regulation, some qualifications such as “with sweeteners” are detailed and are part of the legal name and should be included as well.
		Ingredient statement	ingredientStatement FoodAndBeverageIngredientModule	Information on the constituent ingredient make up of the product, specified as one string	Exact copy of ingredient statement on packaging including any additional information indicated for a specific ingredient, like percentage etc. If ingredients (e.g. allergens) are highlighted (bold/italic/underlined/colours/etc.) on the package, it is recommended to use CAPITAL letters to highlight them in the Ingredient statement. In some markets, GDSN formatting pattern is also used to highlight allergens in the Ingredient statement.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Allergen type code	allergenTypeCode AllergenInformationModule	Description of the presence or absence of allergens as governed by local rules and regulations, specified per allergen.	
		Allergen – level of containment code	levelOfContainmentCode AllergenInformationModule	Code indicating the level of containment	
		Allergen relevant data provided	isAllergenRelevantDataProvided AllergenInformationModule	Determines whether 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.	
		Net content	netContent TradeItemMeasurementsModule	The amount of the trade item contained by a package, usually as claimed on the label.	For fixed value trade items use the value claimed on the package. In case of variable quantity trade items, indicates the average quantity.
		Net content statement	netContentStatement TradeItemMeasurementsModule	This statement corresponds to the net content descriptions as stated on the packaging	Use when net content as stated on the label cannot be expressed only by netContent attribute and free text description is therefore needed. For example for prepacked item that consists of two or more individual prepacked items containing the same quantity of the same product. This attribute shall start with a language ISO code.
		Drained weight	drainedWeight TradeItemMeasurementsModule	The weight of the trade item when drained of its liquid.	Where a solid food is presented in a liquid medium, the drained net weight of the food shall also be indicated.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Type of contact	contactTypeCode tradeltem/tradeltem ContactInformation	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.	Populate with the code value 'BZL' (=Licensee Registrar (GS1 Code)).
		Food business operator	contactName tradeltem/tradeltem ContactInformation	The name of the individual or department that can be contacted to provide additional information.	Populate as stated on the package.
		Company address	contactAddress tradeltem/tradeltem ContactInformation	Used to communicate the physical location of a contact party.	Fill the company communication physical address associated with the contact name as stated on the label.
		Origin statement	provenanceStatement PlaceOfItemActivity Module	Free text description of the geographic area the product originates from.	State the place of origin, if mentioned on the label.
		Instructions to use	preparationInstructions FoodAndBeveragePreparationServingModule	Textual instruction on how to prepare the product before serving.	If mentioned on the label.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Special storage instructions	consumerStorageInstructions ConsumerInstructionsModule	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 labelled on the pack. Instructions may refer to a suggested storage temperature, a specific storage requirement or a reference to environment or duration.	If mentioned on the label.
		Conditions of use	consumerUsageInstructions ConsumerInstructionsModule	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 labelled on the pack. Instructions may refer to how the consumer should use the product. This does not include storage, food preparations, and drug dosage and preparation instructions.	If mentioned on the label.
		Alcoholic strength by volume	percentageOfAlcoholByVolume AlcoholInformationModule	Percentage of alcohol contained in the base unit trade item.	With respect to beverages containing more than 1,2 % by volume of alcohol, the actual alcoholic strength by volume is mandatory for the EU regulation 1169/2011.
		Nutrition – Preparation state	preparationStateCode NutritionalInformationModule	Code specifying whether the nutrient information applies to the prepared or unprepared state of the product.	When completing nutrient related information, the distinction can be made between the unprepared, and the prepared state of a product. The prepared state is for example the state of the product after adding water, milk, etc., by the consumer. When the preparation state is not mentioned in the label, indicate “unprepared” in order to insert nutrient information for the product.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Reference intake	dailyValueIntakeReference	NutritionalInformationModule	Free text field specifying the base on which the daily value intake per nutrient has been declared.
		Nutrient basis quantity	NutrientBasisQuantity NutritionalInformationModule	The basis amount that a nutrient is measured against. In some markets this is required by regulation. For example, 100 gr, 100 ml, etc. Please refer to the target markets implementation guideline on how to populate this.	Always use at least per 100 g or 100 ml since this is the legally required way of stating the information as mentioned in the EU Regulation 1169/2011.
		Serving size description	servingSizeDescription NutritionalInformationModule	Indicates the size of a typical serving of the food product as it should be displayed on the package.	Use when the quantity of food (serving size) expressed in value + unit of measure is not relevant for consumers.
		Nutrient type code	nutrientTypeCode NutritionalInformationModule	Code from the list of the INFOODS food component tagnames (detailed in the regulation requirement analysis Excel sheet) identifying nutrients contained in the product.	Nutrient type code can be found in the NutrientCodeList in the Excel sheet
		Nutrient measurement precision	measurementPrecisionCode NutritionalInformationModule	Code indicating whether the specified nutrient content is exact or approximate.	Always use approximately, except when a "<" appears on the pack. In this case you should use 'LESS_THAN'. For traces declaration, use 'LESS_THAN' with "0" as the quantityContained.
		Nutrient – quantity contained	quantityContained NutritionalInformationModule	Measurement value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	This has to be accompanied by a valid UoM (e.g. 'GRM' for grams). As a minimum, quantity contained must be declared by 100g or 100ml. Additional declaration, per portion for instance, may be added.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
		Percentage of daily value intake	dailyValueIntakePercent NutritionalInformationModule	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 reference intake.	
		Percentage of daily value intake measurement precision	dailyValueIntakePercentMeasurementPrecisionCode NutritionalInformationModule	Code indicating whether the specified nutrient content for the Daily Value Intake % is exact or approximate or less than.	
		Additional particulars	compulsoryAdditiveLabelInformation HealthRelatedInformationModule	A description of any compulsory label information on the product for the serving counter.	Info from Annex III and VI of the regulation. Except for 2.1 "with sweetener(s)" and 2.2 "with sugar(s) and sweetener(s)" these statements shall accompany the regulated name of the food.

Note: M – Mandatory, O – Optional, D – Dependent, N – Not applicable

2.4. Managing Equivalent Trade items in the Auction/Broker Scenario

The GTIN of a product which can be substituted for the trade item, due to supplier-defined functional equivalence to the trade item. This situation may occur in the auction/broker scenario, when GTINs to be delivered can change upon availability. Make sure the information provided is still valid according to the regulation EU1169.

M/O GDSN	M/O GS1 in EU F&V	Industry Core Attribute	GDD Attribute 3.1	GDD Definition	Implementation notes GS1 in Europe
O	O	Equivalent Trade Items	referencedTradeItem mTypeCode TradeItem ReferenceTradeItem	A product which can be substituted for the trade item based on supplier-defined functional equivalence to the trade item.	Can be repeated to accommodate different GTINs.

Note: M – Mandatory, O – Optional, D – Dependent, N – Not applicable

3. Global Product Classification


The GS1 Global Product Classification (GPC) is a system that gives both sides of trading partner relationship a common language for grouping products in the same way. It ensures that products are classified correctly and uniformly, everywhere in the world. The term “product” as used throughout this guide refers mainly to physical products; however GPC is expanding into services as well.

The business objectives of GPC are to:

- Support buying programs by allowing buyers to pre-select groups of applicable products
- Provide a common language for category management, thus speeding up reaction to consumer needs
- Be a key enabler of the Global Data Synchronisation Network
- To be a Pivotal classification system between the information exchange parties

The foundation of GPC is called a "Brick"; GPC bricks define categories of similar products. Using the GPC brick as part of GDSN ensures the correct recognition of the product category across the extended supply chain, from seller to buyer. Bricks can be further characterised by Brick Attributes.

Example (See Use Case 2 in next chapter):

Picture	Industry Attribute Name	Value
	globalTradeItemNumber	614141234561
	growingMethodCode	Conventional
	tradeItemCountryOfOrigin	Spain
	functionalName	Watermelon
	gradeCode	II
	gradeCodeAgency	UNECE
	InnerFleshColourCode	Yellow

The equivalent in the GPC of the trade item is the following one:

Segment	Food/Beverage/Tobacco (50000000)		
Family	Vegetables (Non Leaf) - Unprepared/Unprocessed (Fresh) (50260000)		
Class	Cucurbits — Inedible Peel (50260900)		
Brick	Watermelons (10006037)		
Attributes and Values of the Attributes			
Colour of Flesh of Watermelon (20002802)	Country/Zone of Origin (20000743)	Growing Method (20002739)	Quality (UNECE Standard) (20002737)
Yellow (30002652)	Spain (30006788)	Conventional (30014685)	Class II (30014609)


The GPC Browser is available clicking [here](#).

4. How to manage organic items

The Global Product Classification (GPC) has a Specific Attribute and an Attribute value to indicate that the item is Organic according to the applicable legislation.

Attribute	Growing Method (20002739)	Indicates, with reference to the product branding, labelling or packaging the descriptive term that is used by the product manufacturer to identify the presence of an industry recognized "Organic" or "Transitional" certification upon the product labelling or packaging.
Value of the attribute	Organic (30014683)	This term is used to indicate the presence of an industry recognized <i>Organic certification</i> upon the product labelling.

Example:

Picture	Industry Attribute Name	Value
	globalTradeItemNumber	614141234561
	growingMethodCode	Organic
	tradeItemCountryOfOrigin	Spain
	functionalName	Watermelon
	gradeCode	I
	gradeCodeAgency	UNECE
	InnerFleshColourCode	Yellow

The equivalent in the GPC of the trade item is the following one:

Segment	Food/Beverage/Tobacco (50000000)		
Family	Vegetables (Non Leaf) - Unprepared/Unprocessed (Fresh) (50260000)		
Class	Cucurbits — Inedible Peel (50260900)		
Brick	Watermelons (10006037)		
Attributes and Values of the Attributes			
Colour of Flesh of Watermelon (20002802)	Country/Zone of Origin (20000743)	Growing Method (20002739)	Quality (UNECE Standard) (20002737)
Yellow (30002652)	Spain (30006788)	Organic (30014683)	Class II (30014609)

On top of the GPC, there are 2 specific attributes in the data model that can be used to detail that the trade item is an organic item.

Organic Trade Item Code: Used to indicate the organic status of a trade item or of one or more of its components.

Code Value	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 <code>tradeItemGeneticallyModifiedCode</code> or <code>tradeItemIrradiatedCode</code> is true)

Organic Claim Agency Code: A governing body that creates and maintains standards related to organic products

Code Value	Code Value Definition
1	EPA – US Environmental Protection Agency
2	FSA – UK Food Standards Agency
3	FDA – US Food and Drug Agency
4	International Foundation for Organic Agriculture
5	BFA - Biological Farmers of Australia
6	USDA- US Department of Agriculture
7	Quality Assurance International www.qai-inc.com QAI is a leading USDA-accredited organic product certifying agency.
8	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 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 – 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, processors, traders and consumers in partnership to shape the market.
11	GÄA – Gää is a diverse farming association for farmers, processors and traders inside. Focal point is Germany. Gää is a special design for the structure of the organic farming.
12	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 and other tropical fruit from Uganda, spices from Sri Lanka. Organic agriculture






	safeguards the existence of smallholders and helps with the sustainable management of what are often fragile ecosystems. On a global scale, over 50,000 Naturland farmers are cultivating an area of over 142,000 hectares.
13	BVÖL Definition: 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 conditions. For the Peasant Federation of Organic Agriculture includes the following national remit Organic Agriculture Movements: Biokreis eV, Biopark eV, composite Ökohöfe eV http://www.bvoel.de/
14	ECOVIN – ECOVIN Federation Organic Viticulture Association: ECOVIN 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 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 - 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 environmentally sound and sustainable food production. http://www.bioland.de .
19	QCS - Quality Certification Services
20	WSDA - Washington State Dept. of Agriculture
22	EU Commission
999	Unspecified Agency







5. Glossary

Listed below are terms used by the produce industry and their cross-references with the GS1 Glossary of Terms.


Sector Term	GS1 Glossary Term	Definition
<ul style="list-style-type: none"> ■ Each ■ Base Unit ■ Saleable Unit 	Trade Item	Any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, ordered, or invoiced at any point in any supply chain.
<ul style="list-style-type: none"> ■ Case ■ Traded Unit ■ Bin ■ Tote ■ Pallet ■ RPC ■ Tray ■ Crate 	Standard Trade Item Grouping	A standard composition of trade item(s) that is not intended for Point-of-Sale scanning. They are identified with a GTIN-14, GTIN-13, or GTIN-12.
<ul style="list-style-type: none"> ■ Pallet ■ Non-Standard Mixed Case 	Logistics Unit	An item of any composition established for transport and/or storage that needs to be managed through the supply chain. It is identified with an SSCC.
Pallet	Unit Load	One or more transport packages or other items contained on a platform making them suitable for transport, stacking, and storage as a unit.
	Global Trade Item Number (GTIN)	The GS1 Identification Key used to identify trade items. The key comprises a GS1 Company Prefix, an Item Reference and Check Digit.
	Indicator Digit	A digit from 1 to 9 in the leftmost position of the GTIN-14.
	GS1 Company Prefix	Part of the GS1 System identification number consisting of a GS1 Prefix and a Company Number, both of which are allocated by GS1 Member Organisations. See also U.P.C. Company Prefix. GS1 Member Organisations assign GS1 Company Prefixes to entities that administer the allocation of GS1 System identification numbers. These entities may be, for example, commercial companies, not for profit organisations, governmental agencies, and business units within organisations. Criteria to qualify for the assignment of a GS1 Company Prefix are set by the GS1 Member Organisations.
	Check Digit	A final digit calculated from the other digits of some GS1 Identification Keys. This digit is used to check that the data has been correctly composed. (See GS1 Check Digit Calculation.)
	Item Reference Number	A component of the Global Trade Item Number (GTIN) assigned by the brand owner to create a unique GTIN.
	GS1 Application Identifier (AI)	The field of two or more digits at the beginning of an Element String that uniquely defines its format and meaning.

Annex 1 - Package type codes, packaging material codes and packing feature codes

Packaging	Picture	packageType Code	packageTypeD escription	GDSN Description	Packaging Material Code	Packaging FeatureCode
Bundle		X11	Banded package	A package with bands, usually metal or nylon, round it to hold the products together.	-	-
Cup		CU	Cup/Tub	A small bowl shaped container for beverages, often with a handle.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Bucket		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).	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Wrapped in Plastic		WRP	Wrapper	Wrapped in Plastic	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Flowpack		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.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-

Basket		BK	Basket	Hamper. A semi rigid container usually open at the top traditionally used for gathering, shipping and marketing agricultural products.	PLASTIC_OTHER CORRUGATED_B OARD_OTHER WOOD_OTHER WOOD_PARTICL E_BOARD	HANDLE
Net		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.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	
Bag		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.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	
Net with banderole		NT	Net with a banderole	A preformed, flexible container, generally enclosed on all but one side, which forms an opening that may or may not be sealed after filling.	PLASTIC_OTHER COMPOSITE PLASTIC_BIO_PL ASTIC	LABEL
Big Bag		ZU	Flexible Intermediate Bulk Containe	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	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Carrying bag		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.	PLASTIC_OTHER PAPER_OTHER PLASTIC_BIO_PL ASTIC	HANDLE




Carrying package		PUG	Carrying package	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.	PLASTIC_OTHER PAPER_OTHER PLASTIC_BIO_PL ASTIC	HANDLE
Punnet		BK	Basket	Punnet	PAPER_OTHER	-
Clamshell		CMS	Clamshell	Clamshell	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Plastic-wrapped Tray Foodtainer		PU	Tray(wrapped)	Plastic-Wrapped Tray	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	WRAP
Vacuum packed (Shrinkwrapped)		SW	Shrinkwrapped	Goods retained in a transparent plastic film that has been wrapped around and then shrunk tightly on to the goods.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	
Tray with flowpack		BK	Basket	A shallow container, which may or may not have a cover, used for displaying or carrying items.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	WRAP
Basket with net		BK	Basket	A semi rigid container usually opened at the top traditionally used for gathering, shipping and	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	WICKER_OUTER CONTAINER

				marketing agricultural products.		
Sack		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.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC FIBRE_BURLAP	BASE
Pot		JR PT	Jar 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, dairy products, plants. The use of PT is recommended for pots. However JR code will be accepted until next Major Release.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC CERAMIC	-
Open Sleeve with product inside		SY	Sleeve	A non-rigid container made of paper, cardboard or plastic that is open-ended and is slid over the contents for protection or presentation.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC PAPER_OTHER	-
Multipack		MPG	Multipack	A bundle of products held together for ease of carriage by the consumer. A multipack is always a consumer unit.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC COMPOSITE	-
Pouch		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.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	BASE
Banderole		SY	Sleeve	A non-rigid container made of paper, cardboard or plastic that is open-ended and is slid over the contents for protection or	PAPER_OTHER PLASTIC_BIO_PL ASTIC	LABEL

				presentation.		
Not packed		NE	Not packed	The item is provided without packaging.	-	-
Reusable Crate		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 dividers. Even though some crates might be reused or become resealed they could also be disposable depending on the product hierarchy.	-	-
Crate (wood, plastic)		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 dividers. Even though some crates might be reused or become resealed they could also be disposable depending on the product hierarchy.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC CORRUGATED_B OARD_OTHER WOOD_OTHER WOOD_PARTICL E_BOARD	-
Crate (cardboard)		CT	Carton	A non-specific term for a re-closable container used mostly for perishable foods (e.g. eggs, fruit).	CORRUGATED_B OARD_OTHER WOOD_OTHER WOOD_PARTICL E_BOARD	-

Carton		CT	Carton	A non-specific term for a re-closable container used mostly for perishable foods (e.g. eggs, fruit).	CORRUGATED_BOARD_OTHER	-
Display		PUG	Sale Display	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.	PLASTIC_OTHER PLASTIC_BIO_PLASTIC CORRUGATED_BOARD_OTHER WOOD_OTHER	BASE
Large Crate		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 platform should be specified using the pallet type code list.	WOOD_OTHER	-
Dinamic Shipper		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 platform should be specified using the pallet type code list.	PLASTIC_OTHER PLASTIC_BIO_PLASTIC	-

Big Maxi Crate		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 platform should be specified using the pallet type code list.	PLASTIC_OTHER PLASTIC_BIO_PL ASTIC	-
Cardboard Box		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 platform should be specified using the pallet type code list.	CORRUGATED_B OARD_OTHER	-
Green Box		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 platform should be specified using the pallet type code list.	-	-
Pallet ISO 1		PX	Pallet	Pallet ISO 1: Flat pallet with dimensions of 1200 x 800 mm as defined in ISO 6780.	WOOD_OTHER	-
				PalletTypeCode=11	WOOD_OTHER	-
Pallet ISO 2		PX	Pallet	Pallet ISO 2: Flat pallet with dimensions of 1200 x 1000 mm as defined in ISO 6780.	WOOD_OTHER	-
				PalletTypeCode=12	WOOD_OTHER	-
Pallet ISO 0		PX	Pallet	Pallet ISO 0 - 1/2 EURO Pallet: Half size flat pallet with dimensions of 800 x 600	WOOD_OTHER	-

				PalletTypeCode=10	WOOD_OTHER	-
CHEP Pallet 80 X 120 cm		PX	Pallet	CHEP Pallet 80 X 120 cm	WOOD_OTHER	-
				PalletTypeCode=23	WOOD_OTHER	-
CHEP Pallet 80 X 60 cm		PX	Pallet		WOOD_OTHER	-
				PalletTypeCode= There is no code	WOOD_OTHER	-
CHEP Pallet 40 X 60 cm		PX	Pallet	CHEP Pallet 40 X 60 cm	PLASTIC_OTHER	-
				PalletTypeCode=22	PLASTIC_OTHER	-

Full code lists are available in the following links:

Package Type Code List:

<http://apps.gs1.org/GDD/Pages/ciDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackageTypeCode>

Packaging Material Code List:

<http://apps.gs1.org/GDD/Pages/ciDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackagingMaterialTypeCode>

Packaging Feature Code List:

<http://apps.gs1.org/GDD/Pages/ciDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackagingFeatureCode>

Annex 2 - IFPS Color Code List

Color Code	Color description
BLACK	Black
BLUE	Blue
BLUE_BLACK	Blue/Black
BROWN	Brown
CREAMY_YELLOW	Creamy yellow
DARK_GREEN	Dark-green
GINGER_GOLD	Ginger Gold
GOLDEN	Golden
GREEN	Green
GREEN_WHITE	Green-white
GREY	Grey
GREY_WHITE	Grey-white
MULTI-COLOURED	Multi-coloured
ORANGE	Orange
ORANGE_YELLOW	Orange-yellow
PEARL	Pearl
PINK	Pink
PURPLE	Purple
PURPLE_WHITE	Purple-white
RED	Red
RED_BLACK	Red/Black
RED_WHITE	Red-white
ROUGE_SALAMBO	Rouge Salambo (Red)
RUBY_RED_PINK	Ruby Red/Pink
VIOLET	Violet
WHITE	White
WHITE_GREEN	White/Green
YELLOW	Yellow
YELLOW_BROWN	Yellow/Brown
YELLOWISH	Yellowish

Annex 3 - Post-harvest treatment chemical code

Code	Code description
CHEMICALLY_TREATED_AFTER_HARVESTING	Fruit or vegetable has been treated chemically after harvesting e.g., Treated with a Chemical Preservative
NOT_TREATED_AFTER_HARVESTING	Fruit or vegetable has been not been treated chemically or waxed after harvesting
WAXED	Fruit or vegetable has had a layer of wax applied after harvesting

Annex 4 – Country of Origin and Provenance Statement values per type of product

Scenario	Country of Origin value	Provenance Statement value (text)
Pre-packed and loose single product (not mixed product)	Country of Origin. Should follow EU 952/2013 article 60 (1)	District where produce is grown or national, regional or local name
Loose products of same species but different varieties, colours, etc. As required by specific marketing regulation or UNECE standard, origin one single country.	Country of Origin. Should follow EU 952/2013 article 60 (1)	District where produce is grown or national, regional or local name
Mixed Pack of same species but different varieties, colours, etc. As required by specific marketing regulation or UNECE standard, origin one single country.	Country of Origin. Should follow EU 952/2013 article 60 (1)	Optionally, next to each variety, colours, etc district where grown, or national, regional or local place name.
Mixed Pack of same species but different varieties, colours, etc. As required by specific marketing regulation or UNECE standard, origin EU.	Country of Packaging (EU 952/2013, article 60 (2))	Optionally, next to each variety, colours, etc district where grown, or national, regional or local place name.
Mixed Pack of same species but different varieties, colours, etc. As required by specific marketing regulation or UNECE standard, origin NON_EU.	Country of Packaging (EU 952/2013, article 60 (2))	Optionally, next to each variety, colours, etc district where grown, or national, regional or local place name.
Mixed Pack of same species but different varieties, colours, etc. As required by specific marketing regulation or UNECE standard, origin EU and NON_EU.	Country of Packaging (EU 952/2013, article 60 (2))	Optionally, next to each variety, colours, etc district where grown, or national, regional or local place name.
Mixed pack of different species of fruits and vegetables, origin EU	Country of Packaging (EU 952/2013, article 60 (2))	“mix of EU fruits and vegetables” and optionally, each individual species and its Country of Origin, district where grown, or national, regional or local place name.

Mixed pack of different species of fruits and vegetables, origin NON_EU	Country of Packaging (EU 952/2013, article 60 (2))	“mix of Non-EU fruits and vegetables” and optionally, each individual species and its Country of Origin, district where grown, or national, regional or local place name.
Mixed pack of different species of fruits and vegetables, origin EU and NON_EU	Country of Packaging (EU 952/2013, article 60 (2))	“mix of EU and Non-EU fruits and vegetables” and optionally, each individual species and its Country of Origin, district where grown, or national, regional or local place name.

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GS1 in Europe is a collaboration of 47 GS1 member organisations. We lead the creation and implementation of harmonised, user-driven solutions for improving the supply and demand chain of European companies.

About GS1 Europe

GS1 in Europe is a collaboration of 47 GS1 member organisations and leads the creation and implementation of harmonised, user-driven solutions for improving the supply and demand chain of European companies. Further information on GS1 in Europe and the activities in the area of fruit and vegetables can be obtained from www.gs1.eu.

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