



# Fruit & Vegetable Master Data Attribute Implementation Guide

*Issue 1, Jun-2013*



## Document Summary

Document Item	Current Value
Document Title	Fruit & Vegetable Master Data Attribute Implementation Guide
Date Last Modified	Jun-2013
Document Issue	Issue 1
Document Status	Ratified
Document Description	This document provides support to companies seeking to electronically exchange fruit & vegetable product information in accordance with GS1 Standards.

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## Log of Changes in Issue 1

Issue No.	Date of Change	Changed By	Summary of Change
Issue 1	June-2013	Greg Rowe	1st Issue

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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. This guide is designed to provide guidance for implementing New Item Listing of your product(s) and exchanging Master Data Attributes between trading partners.


## 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.

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, 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.

 **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. Overview

## 2.1. The GTIN – Basis for effective trade processes

The GTIN (Global Trade Identification Number) is part of the global GS1 system and helps to uniquely identify products, selling units, trading units and services. The GTIN enables companies to capture product data automatically for example by barcode scan – from harvest to point-of-sale. GTIN is also a key Attribute for Master Data Exchange.

Furthermore it provides the basis for electronic data interchange (EDI) between suppliers and retailers. From product ordering by electronic systems, to reliable identification in warehouse and availability on the shelves of the retail store: trading partners can optimize their bilateral trading processes regardless

of restrictions of sector or country. In electronic messages such as order, despatch advice and invoice the GTIN identifies consumer units as well as sales units / trade units.

The GTIN identifies loose or pre-packed trade items at any stage of the supply chain up to the end consumer. In order to ensure the use of the GTIN along the entire supply chain, the GTIN should be allocated as early as possible. In the fruit and vegetable sector the GTIN is assigned by the party which brings the product into the market; this can be the grower or brand owner, but also the packer, despatcher or shipper.

The Brand Owner of private label products (aka the Private Label Brand Owner, or PLBO) is responsible for assigning GTINs for those products, not the grower or packer serving that PLBO.

One specific case is retailer brands: To enable labelling of the retailers own brand of a product, suppliers receive all needed information and item numbers from the retailer. It is also important to note that a trading partner who assigns GTINs for consumer goods will be held responsible for the GTIN administration of these trading units.

If a basic characteristic or a packaging characteristic is different from the original product, a new GTIN always needs to be allocated.

The question for the fruit and vegetable sector now is the following: When does a producer or retailer have to allocate a new GTIN for a product? ***For further information on creating a GTIN (Global Trade Item Number) please contact your local GS1 Member Organisation***

✔ **Note:** For more information on GTIN Allocation Rules, please refer to the GS1 General Specifications.

### 3. Industry Roles

Figure 1 Produce Supply Chain

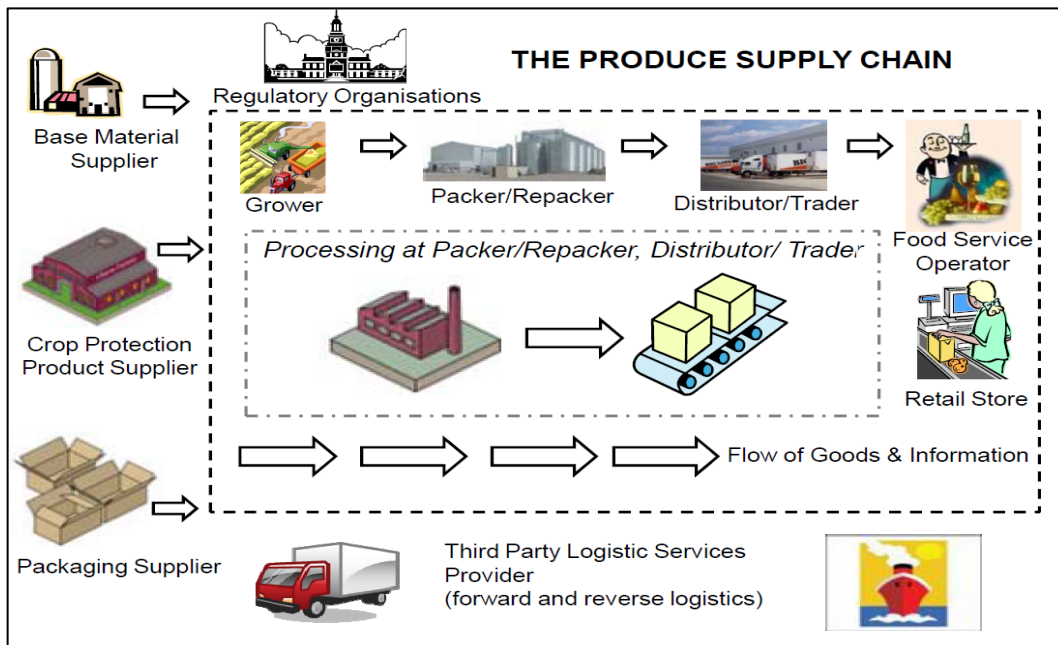


Chart from the “Traceability for Fresh Fruits and Vegetables Implementation Guide” in section [3.1 Roles](#).

### 3.1. Roles

When defining roles in the supply chain, you may find the same person/company to play different roles; for instance, an Agricultural Cooperative to be also a Packer or a Logistic Service Provider as a party in charge of logistic activities (e.g. transport, storage) on behalf of a supplier or retailer. Individual organizations may perform any combinations of the roles mentioned below.

 **Note:** Food Processor, Farm shops and Farmer markets are out of scope for this document.

The chart below outlines Supply Chain Roles, Responsibilities and trade Activities.

Role	B2B Trade Activities				
	Stock		Trade	Transport	Customs
	Owner	On Behalf Of	Buy/Sell		
<b>Supply</b>					
<b>Agricultural Cooperative</b>		x	S		
<b>Broker</b>			B/S		
<b>Distributor</b>				x	
<b>Grower</b>	x		S		
<b>Importer/Exporter</b>	x		B/S		x
<b>Logistic Service Provider</b>		x		x	
<b>Packer</b>		x	S		
<b>Trader</b>	x		B/S	x	
<b>Wholesale:</b>					
<b>Cash &amp; Carry</b>	x		B/S		
<b>Food Service Distributor</b>	x		B/S	x	
<b>Terminal Market</b>	x		B/S		
<b>Retail</b>					
<b>Retailer</b>	x		B		
<b>eTailer</b>		x	B		

We distinguish four (4) key roles of responsibility in the Fruit and Vegetables Supply Chain:

- Grower
- Packer
- Trader
- Retailer

My Role is	What is expected from me?
Grower	The grower is responsible for the production, harvesting and despatch, as well as record keeping of appropriate information about the field and products e.g. crop information, sent to the packing station, to an importer or to the Agricultural Cooperative. Record traceability information
	Provide crop information to his customer (cooperative, packer, trader retailer.) Provide certification information (where required): e.g. Ecological Production, Global Gap, IFS/BRC
	Bilaterally agreed sales process to Cooperative, Trader, Packer, Retailer etc.

My Role is	What is expected from me?
Packer/ Repacker	The packer receives the merchandise from the grower, an importer or another packer, packs them into boxes and may palletise them. Hence he is creating Trade Units according to regulations (e.g. UNECE, USDA/FDA, EU) by sorting, classifying, packing, labelling. Record traceability information
	Legal obligation to identify themselves on the label: name/address, optionally identification number e.g. GLN. In some countries name/address maybe replaced by GLN of packer under certain conditions.
	<u>Labelling in a private label scenario:</u> Label trade unit and/or pre-packaged end consumer package with private label GTIN (Retailer, cooperative, trader). Typical label: "Packed by Jim-the Packer for Sunny-Cooperative"  <u>Labelling in scenario using GTIN of Packer:</u> Assign his GTIN and label trade unit and/or pre-packaged end consumer package (unbranded or own brand rights) Typical label: "Packed by Jim-the Packer"

My Role is	What is expected from me?
Trader/ Distributor	Buys trade units or organizes trade
	Sells trade units (not to the end consumers) or organizes trade
	Stores trade units (optionally)
	Imports or exports trade units (optionally)
	Distributor may physically handle the product
	Record traceability information

My Role is	What is expected from me?
Retailer	A retailer buys goods or products in large quantities from manufacturers or importers, either directly or through a wholesaler, and then sells individual items or small quantities to the general public or end user customers, usually in a shop, also called store. Retailers are at the end of the supply chain
	Buys trade units Record traceability information
	Sell to the end consumer



### 3.2. What Functions Do I perform in the Supply Chain?

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Grower	Farming (incl. Harvest, (Store)		Sell bulk or unsorted produce	Grower
		Sort according customer needs: Bulk sorting, pre-sorting	Sell bulk or sorted produce	Grower
		Sort according to customer requirements, trade units e.g. field packed or in packing facility	Sell as packed trade unit	Packer
		Sort according to customer requirements (where applicable) trade units with Consumer Unit	Sell as packed trade unit with Consumer Unit	Packer
		Sell directly to end consumer	Sell in Farm Shop or on Farmer Market	Out of Scope

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Packer/ Repacker	Create Trade Units according to customer and regulations (where applicable) (e.g. UNECE, USDA, FDA, EU) (sort, pack, label, assign GTIN)		Sell service of sorting / packing / labelling and packaging materials (optionally)	Packer
		Create pre-packaged consumer items (within a trade unit)	Sell service of sorting / packing / labelling and packaging materials (optionally)	Packer
		Buy, repack, resell	Sell as packed & labelled trade unit with/without pre-packaged consumer units	Trader

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Agricultural Cooperative	Sell on behalf of member (organize trade)		Sell packed & labelled trade units with/without pre-packaged consumer units unlabelled or with packer label	Trader
		Sell by own Private Label Brand name (assign GTIN)	Sell packed & labelled trade units with/without pre-packaged consumer units with private label	Trader
		Run auctions	Sell as packed & labelled trade unit with/without pre-packaged consumer units	Trader
		Run own Packhouse	Sell service of sorting / packing / labelling and packaging materials (optionally)	Packer

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Retailer	Buy and Sell to mainly to the end consumers		Sell loose produce or pre-packaged consumer units	Retailer
		Sell by own Private Label Brand name (assign GTIN)	Sell packed & labelled trade units with/without pre-packaged consumer units with private label	Retailer
		Sell to professional companies (B2B)	Sell loose produce or pre-packaged consumer units	Trader

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
eTailer	Buy and Sell online mainly to the end consumers		Sell loose produce or pre-packaged consumer units	Retailer
		Sell by own Private Label Brand name (assign GTIN)	Sell packed & labelled trade units with/without pre-packaged consumer units with private label	Retailer
		Sell to professional companies (B2B)	Sell loose produce or pre-packaged consumer units	Trader

Who am I?	What is my main activity?	What is my Sales activity?	My Role is
Terminal market	Buy and Sell (not to the end consumers)	Sell packed & labelled trade units with/without pre-packaged consumer units	Trader

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Broker	Buy and Sell or organize trade (not to the end consumers)		Sell packed & labelled trade units with/without pre-packaged consumer units.	Trader
		Sell by own Private Label Brand name (assign GTIN)	Sell packed & labelled trade units with/without pre-packaged consumer units with private label	Trader

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
Importer/Exporter	Buy and Sell or organize trade (not to the end consumers)		Sell packed & labelled trade units with/without pre-packaged consumer units.	Trader

Who am I?	What is my main activity?	What might I do optionally?	What is my Sales activity?	My Role is
		Sell by own Private Label Brand name (assign GTIN)	Sell packed & labelled trade units with/without pre-packaged consumer units with private label	Trader

Who am I?	What is my main activity?	What is my Sales activity?	My Role is
Food Service Distributor	Buy and Sell to restaurants, cafeterias, industrial caterers, hospitals and nursing homes.	Sell loose produce or pre-packaged consumer units.	Trader
		Sell by Private Label Brand name (assign GTIN)	Trader

Who am I?	What is my main activity?	What is my Sales activity?	My Role is
Cash & Carry Store	Buy and Sell not to the end consumers	Sell loose produce or pre-packaged consumer units.	Trader
		Sell by own Private Label Brand name (assign GTIN)	Trader

## 4. Master Data Attributes & Definitions

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 3 sections:

- **Industry Core Attributes** – these attributes apply to all Fruit & Vegetable commodities.
- **Industry Commodity Required Attributes** – attributes specific to a certain products
- **Attributes not used in all Markets** – attributes which apply to certain local / regional requirement or regulations only

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

✓ **Note:** For North American Target Market information reference the *PMA Implementation Guide for Fresh Produce Data Standards and Synchronization*

**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.**

## 4.1. Industry Core Attributes

Industry Core Attribute	GDD Attribute	GDD Definition
Global Trade Item Number	globalTradeItemNumber	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
Brand Name	brandName	The recognisable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.
Produce Variety Type	produceVarietyType	Specifies the variety of produce, this may be a patent or trademark name of produce used as a specification or an alias for the botanical name. This name is usually recognizable by the end consumer for example: Golden Delicious for that variety of apples, Elsanta for strawberries, Pink Lady for Cripp's Pink apples, Dazzling Gold for Uta pears ('Madame Verte' x 'Bosc's Flaschenbirne') Various cultivars with different melons for example
Growing Method Code	growingMethodCode	The process through which fresh produce is grown and cultivated.
Trade Item Country Of Origin	tradeItemCountryOfOrigin	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. <b>Implementation Notes:</b> 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. If a consumer unit contains a mix of produce from different countries, then all countries need to be listed.
Functional Name	functionalName	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.
Packaging Type Code	packagingTypeCode	Identifying the type of package used as a container of the trade item.
Quantity Of Next Lower Level Trade Item	quantityOfNextLowerLevelTradeItem	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

Industry Core Attribute	GDD Attribute	GDD Definition
Net Content & UoM (Unit of Measure)	netContent	<p>The amount of the trade item contained by a package, usually as claimed on the label.</p> <p><b>Implementation Notes</b> The total declared weight, volume or content on the package. This field can be repeated to accommodate several values 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.</p>
Height & UoM	height	<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> <p><b>Implementation Notes</b> 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>
Width & UoM	width	<p>The measurement of the extent of something from side to side. Width is the measurement from left to right.</p> <p><b>Implementation Notes:</b> 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>
Depth & UoM	depth	<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>
Gross Weight & UoM	grossWeight	<p>The weight of both the unit load (content) and the platform upon which the goods are carried, if there is one.</p> <p><b>Implementation Notes:</b> 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.</p>
Trade Item Description	tradeItemDescription	<p>An understandable and useable description of a trade item using brand and other descriptors.</p>
Trade Item Unit Descriptor	tradeItemUnitDescriptor	<p>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.</p>

Industry Core Attribute	GDD Attribute	GDD Definition
Net Weight & UoM	netWeight	<p>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.</p> <p><b>Implementation Notes</b> 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</p>
Quantity Of Layers Per Pallet	quantityOfLayersPerPallet	<p>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.</p>
Quantity Of Trade Items Per Pallet Layer	quantityOfTradeItemsPerPallet Layer	<p>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.</p>
Effective Date	effectiveDate	<p>This field is the date the data becomes effective.</p>
Brand Owner (GLN)	brandOwner	<p>Unique location number (Global Location Number or GLN) identifying the brand owner. May or may not be the same entity as the information provider.</p>
Name Of Brand Owner	nameOfBrandOwner	<p>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</p>
Information Provider Of Trade Item (GLN)	informationProviderOfTrade Item(GLN)	<p>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.</p>
Name Of Information provider	nameOfInformationprovider	<p>Name of the party who owns the data. Name of the information provider on the trade item.</p>
Name of Manufacturer	nameOfManufacturer	<p>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.</p>
Manufacturer of Trade Item (GLN)	ManufacturerOfTradeItem (GLN)	<p>The identification of the manufacturer of the trade item. Unique location number (Global Location Number or GLN) identifying the manufacturer.</p>

Industry Core Attribute	GDD Attribute	GDD Definition
Is Trade Item An Orderable Unit	IsTradeItemAnOrderableUnit	<p>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.</p> <p><b>Implementation Notes</b> Is this packaging level the orderable level? Normally, this is YES if the level is the case.</p>
Is Trade Item A Variable Unit	IsTradeItemAVariableUnit	<p>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.</p>
Is Trade Item A Base Unit	IsTradeItemABaseUnit	<p>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.</p>
Is Trade Item A Consumer Unit	IsTradeItemAConsumerUnit	<p>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.</p>
Is Trade Item A Despatch Unit	IsTradeItemADespatchUnit	<p>An indicator identifying that the information provider considers the trade item as a despatch (shipping) unit.</p>
Is Trade Item An Invoice Unit	IsTradeItemAnInvoiceUnit	<p>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.</p>
Is Packaging Marked Returnable	IsPackagingMarkedReturnable	<p>Trade item has returnable packaging.</p> <p><b>Implementation Notes:</b> This refers to the packaging for this GTIN level, and not the product itself. This is the empty shipping container, primarily.</p>
Is Non Sold Trade Item Returnable	IsNonSoldTradeItemReturnable	<p>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.</p>
Is Trade Item Marked As Recyclable	IsTradeItemMarkedAsRecyclable	<p>Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.</p>
Quantity Of Complete Layers Contained In Trade Item	quantityOfCompleteLayersContainedInTradeItem	<p>The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.</p> <p><b>Implementation Notes:</b> 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.</p>

Industry Core Attribute	GDD Attribute	GDD Definition
Quantity Of Trade Items Contained In A Complete Layer	quantityOfTradeItemsContainedInA CompleteLayer	<p>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.</p> <p><b>Implementation Notes:</b> 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.</p>
Quantity Of Trade Items Per Pallet	quantityOfTradeItemsPerPallet	<p>The number of trade items contained in a pallet. This is total number of units on a pallet (should be TI x HI)</p>
Start Availability Date Time	startAvailabilityDateTime	<p>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.</p>
Last Change Date Time	lastChangeDateTime	<p>Indicates the point in time where the last modification on a Trade Item was made.</p>
Description Short	descriptionShort	<p>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.</p>
Additional Trade Item Description	additionalTradeItemDescription	<p>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, 1-350.</p>
Classification Category Code	classificationCategoryCode	<p>The classification category associated with a specific condition.</p> <p><b>Implementation Notes:</b> This is the GPC Brick Code. It classifies the type of produce, the category of produce and the commodity itself.</p>
Ingredient Sequence	IngredientSequence	<p>This is an Integer (1; 2; 3...) indicating the ingredient order by content percentage of the product. (major ingredient = 1; second ingredient = 2) etc.</p>
Ingredient Name	IngredientName	<p>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.</p>
Ingredient Statement	IngredientStatement	<p>Information on the constituent ingredient makeup of the product specified as one string. Can only occur one time per GTIN.</p>



Industry Core Attribute	GDD Attribute	GDD Definition
Packaging Material Code	packagingMaterialCode	The code identifying the type of package used as a container of the trade item.
Display Type Code		
Organic Claim Agency	organicClaimAgency	A governing body that creates and maintains standards related to organic products.
Organic Trade Item Code	organicTradeItemCode	Used to indicate the organic status of a trade item or of one or more of its components.
Target Market Country Code	targetMarketCountryCode	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.

## 4.2. Industry Commodity Required Attributes

Industry Commodity Required Attribute	GDD Attribute	GDD Definition
Descriptive Size	descriptiveSize	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.
Maturity at Time of Sale	MaturityatTimeofSale	The method of maturity for the item at the time of its sale

## 4.3. Attributes not used in all Markets

Attributes not used in all Markets	GDD Attribute	GDD Definition
Grade Code	gradeCode	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
Grade Code Agency	gradeCodeAgency	An agency that manages a grade code list for example ISO.

Colour	colorDescription	Information specifying a colour in text and / or coded format.
Commercial Type	commercialType	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. (from PMA Data Sync guide)
Inner Flesh Colour Code	InnerFleshColourCode	<p>The colour of the inner flesh usually edible part of a fruit or vegetable.</p> <p>Examples are pink or yellow grapefruit, orange or green for a melon.add code values: PINK, YELLOW, GREEN, GREEN_WHITE, RED, WHITE, ORANGE, BROWN, BLACK, VIOLET, PURPLE and then use GPC colour code list to broaden colour Code</p>
Post Harvest Treatment Chemical Code	PostHarvestTreatmentChemicalCode	<p>Specifies if the fruit or vegetable has been treated or not post harvesting with a chemical or wax.</p> <p>-----</p> <p><b>Implementation Notes</b></p> <p>Please add the following code values</p> <p>A.CHEMICALLY_TREATED_AFTER_HARVESTING - fruit or vegetable has been treated chemically after harvesting e.g., Treated with a Chemical Preservative</p> <p>B. NOT_TREATED_AFTER_HARVESTING - fruit or vegetable has been not been treated chemically or waxed after harvesting</p> <p>C. WAXED - fruit or vegetable has had a layer of wax applied after harvesting</p>
Post Process Trade Item Treatment Physical Code	PostProcessTradeItemTreatmentPhysicalCode	<p>Produce has gone some physical process whether altered or other physical processes after harvesting.</p> <p><b>Implementation Notes</b></p> <p>Code Values: 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 oe Broccoli, LEAFLESS - produce all leaves removed e.g. celery, radish</p>
Cooking Type of Potatoes - (available in GPC only)		<p>GPC definition:</p> <p>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</p>

Produce Seed Presence Type Code	produceSeedPresence TypeCode	<p>Specifies the amount of seeds for fresh fruits and vegetables e.g. for water melons, citrus fruits.</p> <p><b>Implementation Notes</b></p> <p>Code values:</p> <p>A. 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.</p> <p>B. UNIDENTIFIED – Definition: Quantity or presence of seeds not determined</p> <p>C. 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.</p> <p>D. 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.</p>
Genus	Genus	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.
Species	Species	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.
Trade Item Form Description	tradeItemForm Description	The physical form or shape of the product. Defines the form the trade item takes and is distinct from the form of the packaging.
Additional Trade Item Identification Type	AdditionalInformationproviderOfTradeItemIdentification Type	Code used to identify additional information provider of trade item.
Additional Trade Item Identification Value	AdditionalInformationproviderOfTradeItemIdentification Value	Code used to identify additional information provider of trade item.
Brand Owner Additional Identification Type	BrandOwnerAdditionalIdentificationType (Part of brandOwner)	Code used to identify additional brand owner identification value.
Brand Owner Additional Identification Value	BrandOwnerAdditionalIdentificationValue	Number used to identify the brand owner when not using GLN. May or may not be the same entity as the information provider.

Information Provider of Trade Item Additional Identification Type	InformationProviderOftradeItemAdditionalIdentificationType (Part of informationProviderOfTrade Item)	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.)  ----- <b>Implementation Notes</b> 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.
Information Provider of Trade Item Additional Identification Value	InformationProviderOftradeItemAdditionalIdentificationValue (Part of brandOwner) (Part of informationProviderOfTrade Item)	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.
Returnable Package Deposit Code	returnablePackageDeposit Code	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.
Returnable Package Deposit Amount	returnablePackageDeposit Amount	The monetary amount for the individual returnable package.
Returnable Package Deposit Currency	returnablePackageDeposit Currency (Part of returnablePackageDeposit Amount)	The monetary amount for the individual returnable package.
Trade Item Marketing Message	TradeItemMarketingMessage	Marketing message associated to the Trade item.

## 5. New Item Listing

### 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.

**This guide outlines the Attributes specific to Fruits & Vegetables.**

### Use Case Examples

The Use Case examples below are meant to provide guidance when completing the attribute sheet. Not all attributes will need to be filled in for each trade item. Organisations need to determine which best fits their product(s).

 **Note:** Use Case Example #1 and #2, show all attributes. For these examples, only information pertaining to the product example has been filled in the rest are blank. In Use Case Example #3, 4, and 5, attributes that do not pertain to the product example were removed. For these examples, only attributes which are different from Use Case #1 and #2 are shown. Some of the attributes are in **Red** with a number next to it. This indicates further information pertaining to this attribute is below the chart.

## 5.1. Use Case #1: Pre-packed Fixed Weight Consumer Trade Package with GTIN encoded in the bar code (EAN/UPC)



Industry Attribute Name	Example for Consumer Unit	Example for Case
globalTradeItemNumber	3535689284566	13535689284563
brandName	Tommy	Tommy
produceVarietyType	Campari	Campari
growingMethodCode	Conventional	Conventional
tradeItemCountryOfOrigin	Netherlands	Netherlands
functionalName	Tomatoes	Tomatoes
gradeCode	Extra	Extra
packagingTypeCode	Clam Shell	KTB (Knockdown Tote Bin/RPC)
quantityOfNextLowerLevelTradeItem	Consumer units are blank	10
netContent & UoM		5kilos
descriptiveSize	0	0
commercialType	Mini Roma	Mini Roma
height & UoM	5cm	400mm
width & UoM	6cm	300mm
depth & UoM	25cm	150mm
grossWeight & UoM		3.35kilos
Colour	Red	Red
InnerFleshColourCode		
PostHarvestTreatmentChemicalCode		
PostProcessTradeItemTreatmentPhysicalCode		
cookingType		

Industry Attribute Name	Example for Consumer Unit	Example for Case
produceSeedPresencesTypeCode		
TradeItemMarketingMessage	Burgundy Type	Burgundy Type
genus	Solanum	Solanum
species	Lycopersicum	Lycopersicum
gradeCodeAgency	Check code list for UNECE or FAO or EU	Check code list for UNECE or FAO or EU
gradeCodeListIdentification		
tradeItemFormDescription	Round	Round
tradeItemDescription	Tommy Cherry Tomatoes on trusses 200gm in clam shell	Tommy Cherry Tomatoes on trusses 10 x 200gm in clam shell - EPS 156
tradeItemUnitDescriptor	Base Unit or Each	Case
netWeight & UoM	200gm	2 kilos
quantityOfLayerPerPallet		14
quantityOfTradeItemsPerPalletLayer		10
effectiveDate	2-Dec-12	2-Dec-12
additionalTradeItemIdentificationType		
additionalTradeItemIdentificationValue		
brandOwner (GLN)	3535689290000	3535689290000
AdditionalBrandOwnerIdentificationType		
AdditionalBrandOwnerIdentificationValue		
nameOfBrandOwner	National Fruit	National Fruit
informationProviderOfTradeItem(GLN)	3535689290000	3535689290000
AdditionalInformationproviderOfTradeItemIdentificationType		
AdditionalInformationproviderOfTradeItemIdentificationValue		
nameOfInformationprovider		
nameOfManufacturer	Gardener Tommy	Gardener Tommy
manufacturer(GLN)	3535689290000	3535689290000
IsTradeItemAnOrderableUnit	No	Yes
IsTradeItemAVariableUnit	No	No
IsTradeItemABaseUnit	Yes	No
IsTradeItemAConsumerUnit	Yes	No
IsTradeItemADispatchUnit	No	Yes
IsTradeItemAnInvoiceUnit	No	Yes
IsPackagingMarkedReturnable	No	Yes
IsNonSoldTradeItemReturnable	No	No
IsTradeItemMarkedAsRecyclable	Yes	Yes
quantityOfCompleteLayersContainedInTradeItem		
quantityOfTradeItemsContainedInAComplete Layer		
quantityOfTradeItemsPerPallet	1400	140

Industry Attribute Name	Example for Consumer Unit	Example for Case
startAvailabilityDateTime	2-Dec-12	2-Dec-12
lastChangeDateTime	10-Oct-12	10-Oct-12
descriptionShort	Tommy Roma 200gm	Tommy Roma 10 x 200gm
additionalTradeltemDescription		
classificationCategoryCode	Cherry Tomato 10006162	Cherry Tomato 10006162
IngredientSequence		
IngredientName		
IngredientStatement		
packagingMaterialCode	Plastic	Plastic
Returnable Package Deposit Code		8714548154003
Returnable Package Deposit Amount		3,86
Returnable Package Deposit Currency		Euro
displayTypeCode		
MaturityMethodAtTimeofSale		
organicTradeltemCode		
organicClaimAgency		
Target Market Country Code	372	372

Other examples could include: bagged apples, or bagged oranges

**Consumer Unit**



**Consumer Unit**





## 5.2. Use Case #2: Loose / Bulk Unpacked, No Branded displayed on label of the Trade Item, Packed and Traded by Weight with a GS1 EAN/UPC or GS1 DataBar bar code (GTIN)



Industry Attribute Name	Example for Consumer Unit	Example for Bin
globalTradeItemNumber <sup>①</sup>	614141234561	10614141234568
brandName	Unbranded	Unbranded
produceVarietyType	Watermelon	Watermelon
growingMethodCode	Conventional	Conventional
tradeItemCountryOfOrigin	Spain	Spain
functionalName	Watermelon	Watermelon
gradeCode	II	II
gradeCodeAgency	UNECE	UNECE
packagingTypeCode	UNP (Unpacked)	Bin
quantityOfNextLowerLevelTradeItem <sup>②</sup>		48
netContent & UoM		240 kilos
descriptiveSize <sup>③</sup>	Medium	Medium
commercialType		
height & UoM <sup>④</sup>	12cm	1.05 meters
width & UoM <sup>④</sup>	12cm	1.0 meters
depth & UoM <sup>④</sup>	12cm	1.2 meters
grossWeight & UoM <sup>⑤</sup>	5 kilos	290 kilos
Colour	Green	Green (colour is not related to the Bin but to the product)
InnerFleshColourCode	Yellow	Yellow
PostHarvestTreatmentChemicalCode		
PostProcessTradeItemTreatmentPhysicalCode		
cookingType		
produceSeedPresencesTypeCode	Seedless	Seedless
TradeItemMarketingMessage		
genus	Citrullus	Citrullus
species	Lanatus	Lanatus
tradeItemFormDescription		
tradeItemDescription	Round Green Watermelon	Round Green Watermelon



Industry Attribute Name	Example for Consumer Unit	Example for Bin
tradeItemUnitDescriptor	Ea (Base unit or each)	Bin
netWeight & UoM	5 kilo	240 kilos
quantityOfLayerPerPallet		1
quantityOfTradeItemsPerPalletLayer		1
effectiveDate	15-Dec-12	15-Dec-12
additionalTradeItemIdentificationType	PLU	
additionalTradeItemIdentificationValue	4341	
brandOwner (GLN)	0614141100002	0614141100002
AdditionalBrandOwnerIdentificationType ⑥	DUNS	DUNS
AdditionalBrandOwnerIdentificationValue ⑦	1234567	1234568
nameOfBrandOwner		
informationProviderOfTradeItem(GLN)	0614141100002	0614141100002
AdditionalInformationproviderOfTradeItemIdentificationType ⑧	DUNS	DUNS
AdditionalInformationproviderOfTradeItemIdentificationValue ⑧	1234567	1234568
nameOfInformationprovider	Bill's Watermelon's	Bill's Watermelon's
nameOfManufacturer	Bill's Watermelon's	Bill's Watermelon's
manufacturer(GLN)	Insert Bill's GLN from 44	Insert Bill's GLN from 44
IsTradeItemAnOrderableUnit	No	Yes
IsTradeItemAVariableUnit	Yes	No
IsTradeItemABaseUnit	Yes	No
IsTradeItemAConsumerUnit	Yes	No
IsTradeItemADispatchUnit	No	Yes
IsTradeItemAnInvoiceUnit	No	Yes
IsPackagingMarkedReturnable	No	Yes
IsNonSoldTradeItemReturnable	No	No
IsTradeItemMarkedAsRecyclable	No	No
quantityOfCompleteLayersContainedInTradeItem		1
quantityOfTradeItemsContainedInACompleteLayer		1
quantityOfTradeItemsPerPallet		1
startAvailabilityDateTime	15-Dec-12	15-Dec-12
lastChangeDateTime	10-Oct-12	10-Oct-12
descriptionShort	Bill's Seedless Watermelons	Bill's Seedless Watermelons
additionalTradeItemDescription		
classificationCategoryCode	10006037 - watermelons	10006037 - watermelons
IngredientSequence		
IngredientName		
IngredientStatement ⑩		
packagingMaterialCode		97 (Triple Wall Corrugated Board)

Industry Attribute Name	Example for Consumer Unit	Example for Bin
Returnable Package Deposit Code		
Returnable Package Deposit Amount		
Returnable Package Deposit Currency		
displayTypeCode		
MaturityMethodAtTimeofSale		
organicTradeltemCode		
organicClaimAgency		
Target Market Country Code	372	372

1. Even though the product is Unbranded, it has an EAN or UPC bar code with a GTIN encoded. The GTIN is assigned by the brand owner, in this example Bill's Watermelon's
2. This is an average quantity which will vary when picked. Although quantity may vary, a number is needed. (**Note:** A new attribute may be added to indicate whether a) net quantity or b) count of next lower level of the trade item is primarily used)
3. Dependent on the market this may be a number size code
4. In this example, even though watermelons are round, estimated numbers need to be filled in
5. This is an average weight
6. This should be a GLN. If not a GLN, choose the value that best describes the identification type you're using for brand owner, in this example DUNS. This value should correlate with the number entered in AdditionalBrandOwnerIdentificationValue, e.g. DUNS
7. This is the actual number or value to the AdditionalBrandOwnerIdentificationValue, e.g. DUNS.
8. Choose the value that best describes the identification type you're using for the information provider; this value should correlate with the number entered in AdditionalInformationproviderOfTradeltemIdentificationValue, e.g. DUNS
9. This is the actual number relating to the information provider of the trade item, e.g. DUNS #
10. This attribute provides additional information such as a warning: may contain peanuts

Other examples could include: Cantaloupes or Pumpkins

**Cantaloupe Each**



**Case of Cantaloupe**



**Bin of Pumpkins**



### 5.3. Use Case #3: Pre-packed Fixed Weight Mixed Consumer Trade Package with GS1 EAN/UPC bar code (GTIN)

This is Use Case example is similar to Use Case #1 except this example is for mixed consumer products. All attributes that were similar to Use Case #1 have been removed; attributes that are different remain. The key difference is the Ingredient Sequence and Ingredient Name, since it is a mixed product this needs to be identified using these attributes. The GTIN is different since it is a different product.



Industry Attribute Name	Example for Consumer	Example for Case
globalTradeItemNumber	3535689298006	13535689298003
brandName	Klaus	Klaus
growingMethodCode	Organic	Organic
produceVarietyType	Thompson seedless / Palieri	Thompson seedless / Palieri
IngredientSequence	1,2	1,2
IngredientName	Red, Green Table Grapes	Red,Green Table Grapes

**Other examples: mixed peppers, bagged mixed greens/salads, bagged oranges & apples:**

#### Consumer package of mixed peppers



## 5.4. Use Case #4: Private Label Trade Item Sold by Weight with a GS1 EAN/UPC bar code (GTIN)

This Use Case example is similar to Use Case #2 except in this example the Watermelons are Private Label. Again, all attributes were removed that were similar to Use Case #2 and those that are different remain.

The Key differences are:

- The Brand Name is Jim's Tasty Watermelons
- The watermelons are farmed by Bill's Watermelons
- John's Cooperative is the provider of the information for the New Item Listing.

This is shown through the following attributes: Brand Name, Name of Manufacturer and Name of Information Provider.

Basically, this scenario is of a Cooperative (John's) where the farmer Bill's) sells his product to John's Cooperative and John's Cooperative sells the product to multiple trading partners. In this case, they are labelling the product for a retailer (the brand owner) with the retailers' GTIN.



Industry Attribute Name	Example for Consumer Unit	Example for Bin
globalTrade Item Number	3536789378926	13536789378923
informationProviderOfTradeItem(GLN)	3534437200001	3534437200001
nameOfInformationprovider	John's Cooperative	John's Cooperative
AdditionalInformationproviderOfTradeItemIdentificationType	DUNS	DUNS
AdditionalInformationproviderOfTradeItemIdentificationValue	45678901	45678901
descriptionShort	Jim's Tasty Watermelon's (Private Label)	Jim's Tasty Watermelon's (Private Label)
manufacturer(GLN)	3538653100008	3538653100008
nameOfManufacturer	Bill's Watermelon's	Bill's Watermelon's
brandName	Jim's Tasty Watermelons (Private Label)	Jim's Tasty Watermelons (Private Label)
brandOwner (GLN)	3536789100008	3536789100008
nameOfBrandOwner	Jim's Supermarket	Jim's Supermarket
AdditionalBrandOwnerIdentificationType	DUNS	DUNS
AdditionalBrandOwnerIdentificationValue	2345678	2345678

## 5.5. Use Case #5: Loose Branded Trade Item, Packed and Traded by Weight with a GS1 DataBar bar code (GTIN)

This Use Case example is similar to Use Case #2 except in this example the Watermelons are branded with Bill's Watermelons. In this example, Bill's provides all information since Bill's farm's, sells and provides all information to the trading partner for the New Item Listing. (Only the attributes which are different from Use Case #2 are shown.)

For illustration, below is an apple with a GS1 DataBar Stacked Omnidirectional bar code. Along with the GS1 DataBar bar code on the sticker, there is a human readable PLU (Price Look Up) Number. These PLU's are assigned and administered by the IFPS (International Federation of Produce Standards).



Industry Attribute Name	Example for Consumer Unit	Example for Bin
globalTradeItemNumber	614141234561	10614141234568
informationProviderOfTradeItem(GLN)	0614141100002	0614141100002
nameOfInformationProvider	Bill's Watermelon's	Bill's Watermelon's
AdditionalInformationProviderOfTradeItemIdentificationType	DUNS	DUNS
AdditionalInformationProviderOfTradeItemIdentificationValue	1234567	1234568
manufacturer(GLN)	0614141100002	0614141100002
nameOfManufacturer	Bill's Watermelon's	Bill's Watermelon's
brandName	Bill's Watermelons	Bill's Watermelons
brandOwner (GLN)	0614141100002	0614141100002
nameOfBrandOwner	Bill's Watermelon's	Bill's Watermelon's
AdditionalBrandOwnerIdentificationType	DUNS	DUNS
AdditionalBrandOwnerIdentificationValue	1234567	1234567
additionalTradeItemIdentificationType ①	PLU	
additionalTradeItemIdentificationValue ②	4341	

## 5.6. Use Case #6: Loose / Bulk Unpacked Trade Item Traded by Trade Item with minimum weight No Label on the Produce



Industry Attribute Name	No Consumer Unit	Example for Case
globalTradeItemNumber		4311527003099
IsTradeItemABaseUnit		Yes
effectiveDate		21-Nov-12
informationProviderOfTradeItem(GLN)		4000000100003
nameOfInformationprovider		Vegi Cooperative
AdditionalInformationproviderOfTradeItemIdentificationType		
AdditionalInformationproviderOfTradeItemIdentificationValue		
Target Market Country Code		276
lastChangeDateTime		21-Nov-12
startAvailabilityDateTime		1-Jan-13
quantityOfNextLowerLevelTradeItem		
descriptionShort		Yellow Cherry Tomatoes
IsTradeItemADispatchUnit		Yes
IsTradeItemAnInvoiceUnit		Yes
IsTradeItemAnOrderableUnit		Yes
IsTradeItemAConsumerUnit		No
manufacturer(GLN)		4000000100003
nameOfManufacturer		Vegi Cooperative
netContent & UoM		
netWeight & UoM		3 kg
brandName		Unbranded
brandOwner (GLN)		
nameOfBrandOwner		
AdditionalBrandOwnerIdentificationType		
AdditionalBrandOwnerIdentificationValue		
TradeItemMarketingMessage		
additionalTradeItemDescription		
functionalName		Cherry tomato
classificationCategoryCode		10006162 - Cherry tomato round
IsNonSoldTradeItemReturnable		No

Industry Attribute Name	No Consumer Unit	Example for Case
IsTradeltemAVariableUnit		No
tradeltemCountryOfOrigin		Spain
organicTradeltemCode		5
growingMethodCode		Conventional
organicClaimAgency		
Colour		Yellow
descriptiveSize		
additionalTradeltemIdentificationType		
additionalTradeltemIdentificationValue		
gradeCode		
gradeCodeAgency		
tradeltemFormDescription		
tradeltemDescription		
produceVarietyType		
genus		Solanum
species		lycopersicum
commercialType		Cherrytomatoes
MaturityMethodAtTimeofSale		
InnerFleshColourCode		
tradeltemUnitDescriptor		Case
PostHarvestTreatmentChemicalCode		
produceSeedPresencesTypeCode		
cookingType		
PostProcessTradeltemTreatmentPhysicalCode		
packagingTypeCode		Box
height & UoM		16cm
depth & UoM		30cm
width & UoM		40cm
grossWeight & UoM		3.5 kilo
IsPackagingMarkedReturnable		No
displayTypeCode		
IsTradeltemMarkedAsRecyclable		No
packagingMaterialCode		95
Returnable Package Deposit Code		
Returnable Package Deposit Amount		
Returnable Package Deposit Currency		
quantityOfTradeltemsPerPalletLayer		8
quantityOfTradeltemsPerPallet		128
quantityOfLayerPerPallet		16
quantityOfCompleteLayersContainedInTradeltem		
quantityOfTradeltemsContainedInACompleteLayer		
IngredientSequence		
IngredientName		
IngredientStatement		



**Other example: Radishes**


## 6. 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"> <li>■ Each</li> <li>■ Base Unit</li> <li>■ Saleable Unit</li> </ul>	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"> <li>■ Case</li> <li>■ Traded Unit</li> <li>■ Bin</li> <li>■ Tote</li> <li>■ Pallet</li> <li>■ RPC</li> <li>■ Tray</li> <li>■ Crate</li> </ul>	Standard Trade Item Grouping	A standard composition of trade item(s) that are not intended for point-of-sale scanning. The PTI has chosen to use the GTIN-14 for case level traceability.
<ul style="list-style-type: none"> <li>■ Pallet</li> <li>■ Non-Standard Mixed Case</li> </ul>	Logistics Unit	An item of any composition established for transport and/or storage that needs to be managed through the supply chain.
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 globally-unique GS1 System identification number for products and services. A GTIN may be 8, 12, 13, or 14 digits in length. The GTIN-14 has been selected for use in the PTI.
	Indicator Digit	The leftmost digit of a GTIN in a GTIN-14. The digit '0' indicates a base unit Global Trade Item Number, digits 1 to 8 are used to define a packaging hierarchy of a product with the same Item Reference, and digit 9 indicates a variable measure trade item.
	GS1 Company Prefix	A globally-unique number assigned to companies by GS1 Member Organizations to create the identification numbers of the GS1 System.
	Check Digit	A digit calculated from the other digits of an element string, used to check that the data has been correctly composed or correctly keypunched.
	Item Reference Number	The part of the GTIN allocated by the user to identify a trade item for a given GS1 Company Prefix.
	Application Identifier (AI)	The field of two or more digits at the beginning of an element string that uniquely identifies its format and meaning within the GS1 System.



