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# **Nourish to Flourish**

## **Data Synchronization Implementation Guide**

Version 2.0

January 19, 2023



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## **1 NOURISH TO FLOURISH DATA SYNCHRONIZATION INFORMATION**

### **1.1 Primary Data Synchronization Contact**

Name: Geri Hughes

Phone: 310-656-6843

Email: [geri@e-inteam.com](mailto:geri@e-inteam.com)

### **1.2 Nourish to Flourish GLN – Publish To:**

Production: 0860206001702



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## **2 STEPS TO BEGIN SYNCING YOUR DATA WITH NOURISH TO FLOURISH**

1. Review the Attribute Requirements in Section 3 of this document to ensure you can meet our requirements
  - a) Note: 1WorldSync Item Management users, as well as users of some other data pools, can apply the Playlist 'Nourish to Flourish' to be guided through the attribute requirements.
2. Have your accurate item data loaded into your home data pool and ensure it is ready for publication
  - a) Contact your data pool for any technical assistance you might require to complete this step.
  - b) If you do not belong to a data pool, you may contact 1WorldSync at 866-280-4013 or [businessdevelopment@1worldsync.com](mailto:businessdevelopment@1worldsync.com) to get more information.
3. Complete and submit the [Supplier Trading Partner Registration Form](#) to send your information to Nourish to Flourish to setup the subscription for your GLN.
4. Nourish to Flourish will create a subscription based on the Information Provider GLN and then email the supplier's primary data synchronization contact once they are ready for the first publications.
5. After receiving this email, publish all GTINs (product information) to **Nourish to Flourish GLN 0860206001702** via GDSN as **Initial Load**.
6. After sending the Initial Load of all active items, going forward, supplier will only need to send new or updated items as a **New** publication type.

### 3 ATTRIBUTE REQUIREMENTS

Below is a list of attributes for Nourish to Flourish. All listed attributes are not required. Reference the column titled “Attribute Requirements” for the following identifiers:

M = Mandatory. Attribute is required to properly publish to Nourish to Flourish.

C = Conditional. Attribute is required, in certain circumstances, to properly publish to Nourish to Flourish.

R = Requested. Attribute is recommended, but not required, to properly publish to Nourish to Flourish.

#### 3.1 Core Data

All product categories must complete Core Data, including both Food & Beverage as well as any Non-Food products.

Core Data					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Information Provider GLN</b>	Information Provider GLN	informationProvider	M	Populate this field with the GLN of the entity responsible for the validity of the item information entered into 1WorldSync Item Management. The original manufacturer, importer, distributor, retailer, or designated agent. IP Name will default in the GUI as a result of the GLN provided.	
<b>Information Provider GLN Name</b>	Information Provider Name	nameOfInformationProvider	M	Name of the party who provides the trade item information to 1WorldSync Item Management.	
<b>Target Market</b>	Target Market	targetMarketCountryCode	R	The target market indicates the country where the trade item is available for sale. Combination of this field +GTIN+GLN uniquely identifies a trade item. Default is US.	



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Core Data					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Manufacturer Name</b>	Manufacturer Owner GLN	manufacturer/gln	R	The Global Location Number used to identify the organization that manufactures this trade item.	
<b>Manufacturer Name</b>	Manufacturer Owner GLN Name	manufacturer/partyname	R	The name of the manufacturer of this trade item.	
<b>GTIN</b>	Global Trade Item Number (GTIN) / Item ID	globalTradeItemNumber	M	The Global Trade Item Number is the standard 14-digit number used to identify all trade items in 1WorldSync Item Management.	14-Digit GTIN number
<b>GS1 Trade Item ID Key Code</b>	GS1 Trade Item ID Key Code	gs1TradeItemIdentificationKeyCode	R	Alternative means to the Global Trade Item Number to identify a trade item.	If TM = US: If Consumer Unit Indicator is equal to 'true' and the Target Market is equal to US (United States) then Data Carrier Type Code must not be empty
<b>GS1 Trade Item ID Key Value</b>	GS1 Trade Item ID Key Value	gs1TradeItemIdentificationKeyValue	R	A value for the alternative means to the Global Trade Item Number to identify a trade item.	
<b>Data Carrier Type Code</b>	Data Carrier Type Code	dataCarrier/dataCarrierTypeCode	R	A code indicating the type of data carrier physically present on the trade item.	Becomes mandatory if consumer unit and TM=US
<b>Brand Name</b>	Brand Owner GLN	brandOwnerGLN	R	The Global Location Number used to identify the organization that owns the brand.	
<b>Brand Name</b>	Brand Owner GLN Name	BrandOwnerName	R	Name of the party who owns the brand of the trade item.	
<b>Brand Name</b>	Brand Name	brandName	M	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	



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Core Data					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Sub Brand</b>	Sub Brand	subBrand	R	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer.	
<b>Unit Descriptor</b>	Product Type	tradeItemUnitDescriptor	M	Describes the hierarchical level of the trade item.	N2F only accepts records where value is CASE or lower
<b>Manufacturer Product Number</b>	Alternate Item Identification Agency	alternateItemIdentification/agency	R	A trade item identifier, usually associated with a specific business need, that is in addition to the GTIN, for example, a buyer's or seller's item number	Preferred value is "Assigned by Manufacturer" (SUPPLIER_ASSIGNED); alternate 1WS-only value is "Manufacturer Part Number"
<b>Manufacturer Product Number</b>	Alternate Item Identification Id	alternateItemIdentification/id	C	A trade item identifier, usually associated with a specific business need, that is in addition to the GTIN, for example, a buyer's or seller's item number	This ID is required if Alternate Item Identification Agency is populated
<b>GPC Code</b>	Global Classification Code	gpcCategoryCode	M	Classifies products based on a GS1 global standard leveraged by many retailers.	
<b>Functional Name</b>	Functional Name	functionalName	R	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN. Allows for the representation of the same value in different languages but not for multiple values.	



<b>Core Data</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Product Description</b>	Product Description	tradeItemDescription	M	An understandable and useable description of a trade item using brand and other descriptors.	Primary product description of the product
<b>Manufacturer Expanded Product Description</b>	Additional Description	additionalTradeItemDescription	R	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.	
<b>Effective Date</b>	Effective Date	effectiveDate	M	The date on which the information for "item add" or "item change" is sent to 1WorldSync Item Management.	
<b>Canceled Date</b>	Canceled Date	cancelledDateTime	R	Communicates cancellation of the launch of a trade item that was never and will never be manufactured, but may have been presented to buyers. Allows the reuse of the GTIN 12 months after cancellation.	
<b>Item Availability Date</b>	Start Availability Date	startAvailabilityDateTime	R	The date from which the trade item becomes available from the supplier, including seasonal or temporary trade items and services.	
<b>Discontinued Date</b>	Discontinued Date	discontinuedDateTime	R	The date on which the trade item is no longer to be manufactured. Allows the reuse of the GTIN after 48 months with the explicit exception of Apparel, being 30 months and the implicit exception for specialty products (e.g., steel beams).	





<b>Core Data</b>					
<b>Common Name</b>	<b><u>1WorldSync</u> Attribute Name</b>	<b><u>Global Data Dictionary</u> Tag</b>	<b><u>Attribute</u> Requirements</b>	<b><u>GDSN Definition</u></b>	<b><u>Notes</u></b>
<b>Is Item the Base Unit?</b>	Base Unit Indicator	isTradeItemABaseUnit	M	Yes indicates this packaging level is the trade item that is at the lowest level in the item hierarchy.	This level cannot have any lower levels.
<b>Is Trade Item Consumer Unit?</b>	Consumer Unit Indicator	isTradeItemAConsumerUnit	M	Yes indicates this packaging level is the trade item intended for 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.	The end user could be, but is not limited to, a consumer as in items sold at retail, or an operator for foodservice such as restaurants, airlines, cafeterias, etc.
<b>Is Trade Item Orderable?</b>	Ordering Unit Indicator	isTradeItemAnOrderableUnit	M	Yes indicates that this trade item is the packaging level where the supplier will accept orders from retailer customers. This may be different from what the information provider identifies as a dispatch unit.	This may be different from what the information provider identifies as a dispatch unit.
<b>Is Trade Item Shipping Unit?</b>	Dispatch Unit Indicator	isTradeItemADespatchUnit	M	Yes indicates that this packaging level is the trade item identified as the shipping unit.	This may be relationship dependent based on channel of trade or other point to point agreement.
<b>Is Trade Item Invoice Unit?</b>	Invoice Unit Indicator	sTradeItemAnInvoiceUnit	M	Yes indicates this packaging level is the trade item included in the supplier's billing or invoice.	
<b>GTIN of Next Higher Package Level</b>	Parent Item	parentGTIN	C	Unique product identification number (GTIN) for a parent item with lower-level trade items (children) in a product hierarchy.	Provide if applicable



<b>Core Data</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>GTIN of Next Lower Package Level</b>	Child Item	childGTIN	C	Unique product identification number (GTIN) for a child item with a higher-level trade item (parent) in a product hierarchy. This item may repeat in the case of a combination pack (multiple GTINs in lower level).	Provide if not a Base Unit
<b>Quantity of Next Lower Package Level</b>	Qty of Next Level Item(s)	totalQuantityOfNextLowerLevelTradeItem	C	The TOTAL number of next lower level trade items that this trade item contains. For example, if there were 12 Each items contained in a Case item, the Qty of Next Level Item(s) on the Case would be 12.	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
<b>Quantity of Inner Packs (No GTIN Assigned)</b>	Inner Pack	quantityOfInnerPack	C	Indicates the number of next lower level trade items contained within the physical non-GTIN assigned each or inner-packs (inner-pack).	Should be for unmarked inners; dup in 1WS attribute name
<b>Item in Inner Pack Quantity (No GTIN Assigned)</b>	Quantity of Next Level GTIN within Inner Pack	quantityOfNextLevelWithinInnerPack	C	Indicates the number of next lower level trade items contained within the physical non-GTIN assigned each or inner-packs (inner-pack).	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN. Recommended approach should be to use innerPack attribute instead



<b>Core Data</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Net Content</b>	Net Content	Net Content & uom	C	Only required for the consumer unit or the EACH. The amount of the trade item contained by a package, usually as claimed on the label. Example: Mineral Water 750ml - net content = 750 ML; 20 count pack of diapers, net content = 20 1N (Count); (GUI) or 'true' (Batch)	Only required for the consumer unit or the EACH.
<b>Depth</b>	Depth	Depth & uom	R	The depth of the unit load, as measured according to the GS1 Package Measurement Rules.	
<b>Height</b>	Height	Height & uom	R	The height of the unit load, as measured according to the GS1 Package Measurement Rules.	
<b>Width</b>	Width	Width & uom	R	The width of the unit load, as measured according to the GS1 Package Measurement Rules.	
<b>Volume</b>	Volume	Volume & uom	R	The dimensions of an imaginary cube which can be drawn around the trade item as defined in the formula of H X W X D	
<b>Catch Weight</b>	Variable Weight Trade Item	isTradeltemAVariableUnit	C	Yes indicates that an article is not a fixed weight, but that the weight is variable. Example: poultry, fresh fruit and bulk items.	Example: poultry, fresh fruit and bulk items.
<b>Gross Weight</b>	Gross Weight	grossWeight & uom	R	Used to identify the gross weight of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade item, grossWeight includes the weight of the pallet itself.	If attribute isTradeltemAService = "No" then the Gross Weight field becomes required



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<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Net Weight</b>	Net Weight	netWeight & uom	C	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.	Required if item is an Orderable Unit
<b>Drained Weight</b>	Drained Weigth	drainedWeight & uom	R	The weight of the trade item when drained of its liquid. Applies to defined bricks of GCI Global trade item Classification - Mainly food trade item.	
<b>Country of Origin</b>	Country of Origin	tradeltemCountryOfOrigin	R	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.	This can be used to help determine "Buy American"
<b>Marketing Message</b>	Trade Item Marketing Message	tradeltemMarketingMessage	R	Marketing message associated to the Trade item.	
<b>Product Image - Referenced File Type Code</b>	Referenced File Type Code	referencedFileHeader/referencedFileTypeCode	C	The file type that is being referenced.	If a product image is provided, this value must be populated and must have a value of PRODUCT_IMAGE
<b>Product Image - Primary Image Indicator</b>	Primary Image	referencedFileHeader/isPrimaryFile	C	Indicates whether the asset is the primary image. This attribute is used to determine which image is most prominently displayed in the UI and to indicate to recipients which image they should choose to display.	If an image is provided, this value must be TRUE. Only one image is supported at this time.



<b>Core Data</b>					
<b>Common Name</b>	<b><u>1WorldSync</u> Attribute Name</b>	<b><u>Global Data Dictionary</u> Tag</b>	<b><u>Attribute</u> Requirements</b>	<b><u>GDSN</u> Definition</b>	<b><u>Notes</u></b>
<b>Product Image - Uniform Resource Identifier</b>	Uniform Resource Identifier	referencedFileHeader/uniformResourceIdentifier	C	Simple text string that refers to a resource on the Internet, URLs may refer to documents, resources, people, etc. This attribute is optional.	If an image is provided, this value must be populated
<b>Product Image - File Name</b>	File Name	referencedFileHeader/fileName	R	The name of the file that contains the external information.	
<b>Product Image - Content Description</b>	Content Description	referencedFileHeader/contentDescription	R	Free form description of the content of the file.	
<b>Product Image - File Format Name</b>	File Format Name	referencedFileHeader/fileFormatName	R	The name of the file format. Examples: PDF; JPEG; BMP. The fileFormatName must be present if the uniformResourceIdentifier is entered.	



### 3.2 Food & Beverage Information

Non-food items do not need to provide any of this information.

<b>Food &amp; Beverage Information</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Ingredients</b>	Ingredient Statement	ingredientStatement	R	Information on the constituent ingredient make up of the product specified as one string.	
<b>Storage Instructions</b>	Consumer Storage Instructures	consumerStorageInstructions	R	Expresses in text the consumer storage instructions of a product which are normally held on the label or accompanying the product.	
<b>Minimum Storage Temperature</b>	Minimum Temperature	minimumTemperature & uom	R	The minimum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality.	TemperatureQualifierCode = STORAGE_HANDLING; Preferred uom is Fahrenheit.
<b>Maximum Storage Temperature</b>	Maximum Temperature	maximumTemperature & uom	R	The maximum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality.	TemperatureQualifierCode = STORAGE_HANDLING; Preferred uom is Fahrenheit.
<b>Shelf Life from Production</b>	Min Product Lifespan from Production	minimumTradeItemLifespanFromTimeOfProduction	R	The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production.	



<b>Food &amp; Beverage Information</b>					
<b>Common Name</b>	<b><u>1WorldSync</u> Attribute Name</b>	<b>Global Data Dictionary Tag</b>	<b>Attribute Requirements</b>	<b>GDSN Definition</b>	<b>Notes</b>
<b>Shelf Life from Arrival</b>	Min Product Lifespan from Arrival	minimumTradeItemLifespanFromTimeOfArrival	R	The period of days, guaranteed by the manufacturer, before the expiration date of the trade item, based on arrival to a mutually agreed to point in the buyer's distribution system.	
<b>Usage Instructions</b>	Consumer Usage Instructions	consumerUsageInstructions	R	Expresses in text the consumer usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a the how the consumer is to use the product, This does not include storage, food preparations, and drug dosage and preparation instructions.	
<b>Serving Suggestions</b>	Serving Suggestion	servingSuggestion	R	Free text field for serving suggestion.	
<b>Preparation &amp; Cooking Instructions</b>	Preparation Type	preparationType	R	A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.	
<b>Preparation Instructions</b>	Preparation Instructions	preparationInstructions	R	Textual instruction on how to prepare the product before serving.	



<b>Food &amp; Beverage Information</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Kosher, Vegan, Vegetarian, Halal</b>	Diet Type Code	dietTypeCode	C	Code indicating the diet for, which the product is suitable.	Accepted codes are KOSHER, HALAL, VEGAN, VEGETARIAN
<b>Kosher, Vegan, Vegetarian, Halal</b>	Diet Type Subcode	dietTypeSubcode	R	Indicates a set of agreements or a certificate name that guarantees the product is permitted in a particular diet.	
<b>Kosher, Vegan, Vegetarian, Halal</b>	Certification Agency	certificationAgency	R	Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.	Provide if applicable





### 3.3 Nutrient Information

Only Food & Beverage items need to provide this information. The specific nutrient codes and how they are handled by Nourish to Flourish are specified below this table.

<b>Nutrient Information</b>					
<b>Common Name</b>	<b>1WorldSync Attribute Name</b>	<b>Global Data Dictionary Tag</b>	<b>Attribute Requirements</b>	<b>GDSN Definition</b>	<b>Notes</b>
<b>Nutrient Set - Preparation State</b>	Preparation State	preparationStateCode	C	Code specifying whether the nutrient information applies to the prepared or unprepared state of the product.	Attribute required for each nutrient set.
<b>Nutrient Set - Nutrient Basis Quantity Type</b>	Nutrient Basis Quantity Type Code	nutrientBasisQuantityTypeCode	C	The type of quantity contained for example measurement, serving size, or container.	Attribute required for each nutrient set. If more than one nutrient set is provided, the BY_SERVING value is selected.
<b>Nutrient Set - Nutrient Basis Quantity</b>	Nutrient Basis Quantity	nutrientBasisQuantity & uom	C	The basis amount that a nutrient is measured against. In some markets, this is required by regulation. For example, 100 gr, 100 ml, etc.	Attribute required for each nutrient set, especially if nutrientBasisQuantityTypeCode = BY_MEASURE. In N2F, the entered nutrients will be scaled to correspond to the servingSize value.
<b>Nutrient Set - Nutrition Fact Serving Size</b>	Serving Size	servingSize & uom	C	Measurement Value specifying the serving size in which the information per nutrient has been stated. Example: Per 100 grams.	Attribute required for each nutrient set. Uom value should be a weight (preferably Ounces or Grams) or volume (preferably Fluid Ounces).
<b>Nutrient Set - Serving Size Description</b>	Serving Size Description	servingSizeDescription	R	A free text field specifying the serving size for which the nutrient information has been stated for example: per 1/3 cup (42 g).	
<b>Nutrient Set - Number Of Servings Per Package</b>	Number Of Servings Per Package	numberOfServingsPerPackage	C	The total number of servings contained in the package.	Required if Serving Size uom is volumetric (as opposed to weight).



<b>Nutrient Information</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Nutrient Detail - Nutrient Type</b>	Nutrient Type Code	nutrientDetail/nutrientTypeCode	C	Code from the list of the INFOODS food component tag names ( <a href="http://www.fao.org/infoods/infoods/standards-guidelines/food-component-identifiers-tagnames/en/">http://www.fao.org/infoods/infoods/standards-guidelines/food-component-identifiers-tagnames/en/</a> ) identifying nutrients contained in the product.	Required values for Calories, Sat Fat, and Sodium. See the separate table for list of supported nutrient types.
<b>Nutrient Detail - Quantity Contained</b>	Nutrient Quantity Contained	nutrientDetail/quantityContained & uom	C	Measurement value of the physicochemical characteristic.	Required for each nutrientTypeCode. See separate table for the supported uom values.
<b>Nutrient Detail - Measurement Precision</b>	Measurement Precision	nutrientDetail/measurementPrecisionCode	R	Code indicating whether the specified nutrient content is exact or approximate.	
<b>Nutrient Detail - Percentage of Daily Value Intake</b>	Percentage of Daily Value Intake	nutrientDetail/dailyValueIntakePercent	R	The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market. Is expressed relative to the serving size and base daily value intake.	
<b>Nutrient Detail - Nutrient Source</b>	Nutrient Source	nutrientDetail/nutrientSource	R	Information about the source ingredient from which the nutrient value is derived.	



**3.3.1 NUTRIENT TYPE CODES**

<u>Nutrient Type Description</u>	<u>Nutrient Type Code(s)</u>	<u>Nutrient UOM Preferred</u>	<u>Nutrient UOM Alternate w/ Scaling Factor</u>	<u>Notes</u>
<b>Calories</b>	ENER- ENERA ENERC	Kilocalorie	Calorie: 1	
<b>Total Fat</b>	FAT- FAT FATAN FATCPL FATCE F4D0 FACID	Gram		
<b>Saturated Fat</b>	FASAT FASATF	Gram		
<b>Trans Fat</b>	FATR- FATRNF FATRNM FATRNP FADT	Gram		
<b>Cholesterol</b>	CHOL- CHOLM CHOLME CHOLC CHOLE	Milligram		
<b>Sodium</b>	NA	Milligram		
<b>Potassium</b>	K	Milligram		
<b>Iron</b>	FE FE2+ FE3+ FEMFP FERAC HAEM NHAEM	Milligram		



<u>Nutrient Type Description</u>	<u>Nutrient Type Code(s)</u>	<u>Nutrient UOM Preferred</u>	<u>Nutrient UOM Alternate w/ Scaling Factor</u>	<u>Notes</u>
<b>Total Carbs</b>	CHO-	Gram		
<b>Dietary Fiber</b>	FIB- FIBTSW FIBTS FIBTG	Gram		
<b>Total Sugar</b>	SUGAR- SUGAR SUGAN SUGNRD SUGRD SUGARM	Gram		
<b>Added Sugar</b>	SUGARD	Gram		
<b>Protein</b>	PRO- PROTMFP PROT PROCNA PROCNP PROCNT PROA	Gram		
<b>Calcium</b>	CA	Milligram		
<b>Vitamin A</b>	VITA- VITA VITAA	Microgram	IU: 0.3	See <a href="https://www.fda.gov/regulatory-information/search-fda-guidance-documents/guidance-industry-converting-units-measure-folate-niacin-and-vitamins-d-and-e-nutrition-and">https://www.fda.gov/regulatory-information/search-fda-guidance-documents/guidance-industry-converting-units-measure-folate-niacin-and-vitamins-d-and-e-nutrition-and</a>
<b>Vitamin C</b>	VITC- VITC	Milligram		
<b>Vitamin D</b>	VITD- VITD VITDA VITDEQ	Microgram		



### 3.4 Allergen Information

Only Food & Beverage items need to provide this information. The specific allergen codes and how they are handled by Nourish to Flourish are specified below this table.

<b>Food &amp; Beverage Information</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Allergen Specification</b>	Allergen Specification Agency	allergenSpecificationAgency	R	Agency that controls the allergen definition.	
<b>Allergen Specification</b>	Allergen Specification Name	allergenSpecificationName	R	Free text field containing the name and version of the regulation or standard that contains the definition of the allergen.	
<b>Allergen Statement</b>	Allergen Statement	allergenStatement	R	Textual description of the presence or absence of allergens as governed by local rules and regulations, specified as one string.	
<b>Allergen Information</b>	Allergen Type Code	allergenTypeCode	C	Code indicating the type of allergen.	See separate table for how individual codes are mapped to the Big 9 allergen types
<b>Allergen Information</b>	Allergen Level of Containment	allergen/LevelofContainmentCode	C	Code indicating the level of presence of the allergen.	Required if allergenTypeCode is populated. If multiple allergenTypeCodes within the same Big 9 allergen type are specified, the Big 9 level of containment will be the most severe level.



### 3.4.1 ALLERGEN TYPE CODES

The following table describes how the different Allergen Type codes are mapped to the Big 9 allergens.

<u>Allergen Category</u>	<u>Allergen Type Description</u>	<u>Allergen Type Code</u>
<b>Eggs</b>	Eggs and their derivates	AE
<b>Fish</b>	Fish and their derivates	AF
	Tuna and its Derivatives	ABD
	Walleye and its Derivatives	ABE
	Krill and its Derivatives	ABI
	Abalone and its Derivatives	ABN
	Carp and its Derivatives	ACP
	Bass and its Derivatives	ADB
	Anchovy and its Derivatives	ADC
	Catfish and its Derivatives	ADE
	Cod and its Derivatives	ADF
	Flounder and its Derivatives	ADG
	Grouper and its Derivatives	ADH
	Haddock and its Derivatives	ADI
	Hake and its Derivatives	ADJ
	Halibut and its Derivatives	ADK
	Herring and its Derivatives	ADL
	Mahi mahi and its Derivatives	ADM
	Pike and its Derivatives	ADP
	Pollock and its Derivatives	ADQ
	Salmon and its Derivatives	ADR
	Snapper and its Derivatives	ADS
	Sole and its Derivatives	ADT
	Swordfish and its Derivatives	ADU
Tilapia and its Derivatives	ADV	
Trout and its Derivatives	ADW	
Perch and its Derivatives	ANO	
Whitefish and its Derivatives	AWF	
Bluefish and its Derivatives	BLF	



<u>Allergen Category</u>	<u>Allergen Type Description</u>	<u>Allergen Type Code</u>
	Bream and its Derivatives	BRM
	Chub and its Derivatives	CHB
	Char and its Derivatives	CHR
	Cisco and its Derivatives	CSC
	Eel and its Derivatives	EEL
	Mackerel and its Derivatives	MAC
	Marlin and its Derivatives	MAL
	Monkfish (Anglerfish, Lotte) and its Derivatives	MKF
	Orange roughy and its Derivatives	ORR
	Plaice and its Derivatives	PLC
	Pompano and its Derivatives	POM
	Porgy and its Derivatives	PRG
	Rockfish and its Derivatives	ROF
	Sardine and its Derivatives	SAR
	Chinquapins and Their Derivatives	SF
	Shark and its Derivatives	SHK
	Smelt and its Derivatives	SMT
	Sturgeon and its Derivatives	STG
	Turbot and its Derivatives	TUR
	Whiting and its Derivatives	WHT
<b>Milk</b>	Milk and its derivates	AM
	Lactose	ML
<b>Peanuts</b>	Peanuts and their derivates	AP
<b>Sesame</b>	Sesame Seeds and their derivates	AS
<b>Shellfish</b>	Shellfish and its Derivatives	UN
	Barnacle and its Derivatives	ABF
	Crab and its Derivatives	ABG
	Crawfish and its Derivatives	ABH
	Lobster and its Derivatives	ABJ
	Prawns and their Derivatives	ABK
	Shrimp and its Derivatives	ABL
	Crustaceans and their derivates	AC



<u>Allergen Category</u>	<u>Allergen Type Description</u>	<u>Allergen Type Code</u>
	Clam and its Derivatives	CLM
	Cockle and its Derivatives	COK
	Conch and its Derivatives	CON
	Limpets and its Derivatives	LMT
	Land and sea snails (Escargot) and its Derivatives	LSN
	Mussels and its Derivatives	MSS
	Octopus and its Derivatives	OCT
	Oysters and its Derivatives	OYS
	Quahaugs and its Derivatives	QUA
	Scallops and its Derivatives	SCA
	Squid (Calamari) and its Derivatives	SQU
	Molluscs and their derivates	UM
	Whelks and its Derivatives	WHK
<b>Soybeans</b>	Soybean and its Derivatives	AY
<b>Tree Nuts</b>	Tree nuts and their derivatives	AN
	Pine Nut and Their Derivatives	PN
	Almond And Almond Products	SA
	Seed Products	SB
	Cashew And Cashew Products	SC
	Beech Nuts and Their Derivatives	SD
	Butternuts and Their Derivatives	SE
	Ginkgo Nuts and Their Derivatives	SG
	Hazelnut And Hazelnut Products	SH
	Hickory Nuts and Their Derivatives	SI
	Shea Nuts and Their Derivatives	SJ
	Pili Nuts and Their Derivatives	SK
	Lichee Nuts and Their Derivatives	SL
	Macadamia Nut And Macadamia Nut Products	SM
	Chestnuts and Their Derivatives	SN
	Coconuts and Their Derivatives	SO
	Pecan Nut And Pecan Nut Products	SP





<u>Allergen Category</u>	<u>Allergen Type Description</u>	<u>Allergen Type Code</u>
	Queensland Nut and Queensland Nut Products	SQ
	Brazil Nut And Brazil Nut Products	SR
	Pistachio And Pistachio Products	ST
	Walnut And Walnut Products	SW
<b>Wheat</b>	Wheat and Their Derivatives	UW
	Cereals and Their Derivatives	AW
	Other Gluten Containing Grain And Gluten Containing Grain Products	AX
	Barley and Barley Products	GB
	Kamut	GK
	Glutamate and Their Derivatives	GL
	Oats	GO
	Spelt and Spelt Products	GS
	Rye and Their Derivatives	NR
	Pulses	SX



### 3.5 Child Nutrition Label

Only Food & Beverage items need this information and only if the product has a Child Nutrition Label. This information is required by K-12 menu planners to meet USDA requirements.

<b>Child Nutrition Label</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>Does Trade item Carry USDA Child Nutrition Label?</b>	Does Trade item Carry USDA Child Nutrition Label?	doesTradeItemCarryUSDAChildNutritionLabel	R	An indication that the trade item carries a USDA approved Child Nutrition Label. The USDA Child Nutrition (CN) Labeling Program provides food manufacturers the option to include a standardized food crediting statement on their product label. Labels must be approved by USDA, FNS prior to use and manufacturers must have quality control procedures and inspection oversight that meet the FNS requirements. Products produced in accordance with the CN Labeling Program are generally purchased by foodservice providers for FNS meal programs. <a href="http://www.fns.usda.gov/cnd/cnlabeling/default.htm">http://www.fns.usda.gov/cnd/cnlabeling/default.htm</a>	
<b>CN Expiration Date</b>	Child Nutrition Expiration DateTime	childNutritionExpirationDateTime	R	The date upon which the child nutrition statement or label expires.	
<b>CN Label Statement</b>	Child Nutrition Label Statement	childNutritionLabelStatement	C	The text of the Child Nutrition Label as specified by the child nutrition product identification agency.	If any attributes in the childNutritionLabel group are populated, then this attribute is required
<b>CN Product ID</b>	Child Nutrition Product Identification	childNutritionProductIdentification	C	A child nutrition identification number of the child nutrition statement or label as provided by or through the authority of the child nutrition product identification agency.	If any attributes in the childNutritionLabel group are populated, then this attribute is required



<b>Child Nutrition Label</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>CN Meal Component - Component Type</b>	Child Nutrition Qualifier	childNutritionQualifierCode	C	A qualifier to specify the type of equivalent measurement that is applicable to the item as specified in the child nutrition statement or label. Example: FRUIT_VEGETABLE_OR_FRUIT_VEGETABLE_ALTERNATIVE.	Required attribute for any component is populated. See the CN Meal Credits tab for more information on how this is used.
<b>CN Meal Component - Serving Size</b>	Child Nutrition Qualified Value	childNutritionQualifiedValue & uom	C	Reference or qualified value for the child nutrition value as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionQualifiedValue is 4.5 ounces.	Required attribute for any component is populated.
<b>CN Meal Component - Creditable Value</b>	Child Nutrition Value	childNutritionValue & uom	C	Actual value for the child nutrition qualifier as specified in the child nutrition statement or label. For example, if a 4.5 ounce serving provides 1/8 cup red-orange vegetable, the childNutritionValue is 1/8 cup.	Required attribute for any component is populated. If childNutritionQualifiedValue is not the same as the nutrient servingSize (value or uom), N2F Database automatically scales the childNutritionValue to the proper value that corresponds to the nutrient set servingSize.
<b>CN Label Image - Referenced File Type Code</b>	Referenced File Type Code	childNutritionLabelDocument/reference dFileTypeCode	C	The file type that is being referenced.	If a product image is provided, this value must be populated and must have a value of CHILD_NUTRITION_LABEL



<b>Child Nutrition Label</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>CN Label Image - Primary Image Indicator</b>	Primary Image	childNutritionLabelDocument/isPrimaryFile	C	Indicates whether a URL for the specified referenced file type links to the primary file that should be used.	If an image is provided, this value must be TRUE. Only one image is supported at this time.
<b>CN Label Image - Uniform Resource Identifier</b>	Uniform Resource Identifier	childNutritionLabelDocument/uniformResourceIdentifier	C	Simple text string that refers to a resource on the Internet, URLs may refer to documents, resources, people, etc. This attribute is optional.	If an image is provided, this value must be populated
<b>CN Label Image - File Name</b>	File Name	childNutritionLabelDocument/fileName	R	The name of the file that contains the external information.	
<b>CN Label Image - Content Description</b>	Content Description	childNutritionLabelDocument/contentDescription	R	Free form description of the content of the file.	
<b>CN Label Image - File Format Name</b>	File Format Name	childNutritionLabelDocument/fileFormatName	R	The name of the file format. Examples: PDF; JPEG; BMP	Preferred formats are JPG, JPEG, or PNG.



**3.5.1 CHILD NUTRITION MEAL COMPONENTS**

<b>CN Meal Component Type</b>	<b>childNutritionQualifierCode</b>	<b>Additional Notes</b>
<b>Meat/Meat Alternate</b>	MEAT_OR_MEAT_ALTERNATIVE	
<b>Grains, All Types</b>	GRAINS (preferred) BREAD_OR_BREAD_ALTERNATIVE	CN Label Statement or Ingredients must be used to determine whether item is Whole Grain vs. Grain; GPC Code used to determine if it's a dessert.
<b>Fruit or Fruit Juice</b>	FRUIT	
<b>Vegetable and Vegetable Juice (Dark Green)</b>	DARK_GREEN_VEGETABLE	CN Label Statement and/or GPC Code used to determine whether it's a Juice
<b>Vegetable and Vegetable Juice-Red/Orange</b>	RED_ORANGE_VEGETABLE	CN Label Statement and/or GPC Code used to determine whether it's a Juice
<b>Vegetable-Beans/Peas</b>	BEANS_PEAS_LEGUMES	
<b>Vegetable-Starchy</b>	STARCHY_VEGETABLE	
<b>Vegetable-Other</b>	OTHER_VEGETABLE	
<b>Milk, All Types</b>	FLUID_MILK	CN Label Statement and/or Product Description used to determine whether type of milk
<b>n/a</b>	FRUIT_VEGETABLE_OR_FRUIT_VEGETABLE_ALTERNATIVE	This code is ignored because there are separate fruit and vegetable codes



### 3.6 Product Formulation Statement

Only Food & Beverage items need this information and only if the product has a Product Formulation Statement. This information is required by K-12 menu planners to meet USDA requirements.

<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Regulatory Body</b>	Regulatory Body Code	productFormulationStatementRegulatoryBodyCode	R	The agency within the target market which is responsible for the requirements, rules and regulations governing the product formulation statement calculations, format and contents.	Code should be 1 (USDA Food and Nutrition Service)
<b>PFS Description</b>	Product Formulation Statement Description	productFormulationStatementDescription	C	A textual statement listed on the Product Formulation Statement as specified in the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body. The name and position of the company official who has signed the actual statement.	If any attributes in the productFormulationStatement group are populated, then this attribute is required
<b>PFS Total Portion Weight As Purchased</b>	Total Portion Weight As Purchased	totalPortionWeightAsPurchased & uom	C	The total portion weight of the trade item as purchased. This value(s) is as noted on the Product Formulation Statement and expressed in at least one measurement.	If any attributes in the productFormulationStatement group are populated, then this attribute is required. This attribute is used to scale the creditable component amounts to the nutrient serving size.



<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Ingredient - Component Type</b>	Creditable Ingredient Type Code	creditableIngredientTypeCode	C	A qualifier to specify a type of creditable ingredient applicable to the trade item as noted on the Product Formulation Statement and specified by the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body.	Required if any component type is populated. There should be one set of values for every creditable component type. If code corresponds to a Vegetable or Grain, then additional values are required to properly credit.
<b>PFS Ingredient - Ingredient Description</b>	Creditable Ingredient Description	creditableIngredientDescription	C	A description of the trade item's creditable ingredient applicable to the creditable ingredient type and as noted on the Product Formulation Statement. In the US, this description should be from the Food Buying Guide or an Alternate Protein Product letter (APP) or a Child Nutrition Source Label.	Required if any component type is populated



<b>Product Formulation Statement</b>					
<b>Common Name</b>	<b><u>1WorldSync Attribute Name</u></b>	<b><u>Global Data Dictionary Tag</u></b>	<b><u>Attribute Requirements</u></b>	<b><u>GDSN Definition</u></b>	<b><u>Notes</u></b>
<b>PFS Ingredient - Creditable Value</b>	Total Creditable Ingredient Type Amount	totalCreditableIngredientTypeAmount & uom	C	The sum total creditable amount of all the creditable ingredient type(s) applicable for the item as calculated using the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body.	Required if any component type is populated.
<b>PFS Ingredient - Creditable Amount per Raw Portion</b>	Creditable Ingredient Amount Per Raw Portion	creditableIngredientAmountPerRawPortion	R	The ounces per portion value of the raw creditable fruit or vegetable ingredient contained in the trade item as specified on the Product Formulation Statement and defined by the requirements, rules and regulations set forth by the applicable Product Formulation Statement Regulatory Body.	
<b>PFS Ingredient - Creditable Amount per Raw Portion</b>	Yield Servings Per Unit	yieldServingsPerUnit	R	The yield per purchasing unit as calculated using the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.	





<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Ingredient - Protein - Contained Alternative Protein Percent</b>	Contained Alternative Protein Percent	creditableAlternativeProtein/containedAlternativeProteinPercent	R	The percent of alternative protein as provided in the item. In the US this is noted on the Alternate Protein Product (APP) documentation.	
<b>PFS Ingredient - Protein - Creditable Protein per Portion</b>	creditableAlternativeProteinPerPortion	creditableAlternativeProtein/creditableAlternativeProteinPerPortion & uom	R	The portion of alternative protein as provided in the item. In the US this is noted on the Alternate Protein Product (APP) documentation and is measured in ounces.	
<b>PFS Ingredient - Veg - Subgroup</b>	Vegetable Subgroup Code	creditableVegetable/vegetableSubgroupCode	C	A qualifier to specify the type of creditable vegetable ingredient subgroup applicable to the item as specified on the Product Formulation Statement and defined by the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.	Required if creditableIngredientTypeCode corresponds to a Vegetable.
<b>PFS Ingredient - Veg - Subgroup Amount</b>	Total Vegetable Subgroup Amount	creditableVegetable/totalVegetableSubgroupAmount & uom	C	The creditable amount of the vegetable subgroup in the item.	Required if creditableIngredientTypeCode corresponds to a Vegetable.



<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Ingredient - Grain - Does Trade Item Meet Whole Grain Rich Criteria</b>	Does Trade Item Meet Whole Grain Rich Criteria	creditableGrainsInformation/doesTradeItemMeetWholeGrainRichCriteria	C	An indication the trade item meets the whole grain-rich criteria as defined and regulated by the applicable Product Formulation Statement Regulatory Body.	Required if creditableIngredientTypeCode corresponds to a Grain
<b>PFS Ingredient - Grain - Creditable Grain Standard</b>	Creditable Grain Standard	creditableGrainsInformation/creditableGrainStandard	C	The standard gram value applicable to the creditable grain gram group code.	Required if creditableIngredientTypeCode corresponds to a Grain
<b>PFS Ingredient - Grain - Creditable Grain Amount per Portion</b>	Creditable Grain Amount Per Portion	creditableGrainsInformation/creditableGrainAmountPerPortion	R	The gram per portion value of the creditable grains contained in the trade item as specified on the Product Formulation Statement and defined by the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.	



<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Ingredient - Grain - Does Trade Item Contain Noncreditable Grains</b>	Does Trade Item Contain Noncreditable Grains	creditableGrainsInformation/doesTradeItemContainNoncreditableGrains	R	An indication that the item contains non-creditable grains. The existence of non-creditable grains in excess of specified limits may alter the item's credit toward child nutrition requirements as specified by the applicable Product Formulation Statement Regulatory Body.	
<b>PFS Ingredient - Grain - Non Creditable Grain Amount</b>	Non Creditable Grain Amount	creditableGrainsInformation/noncreditableGrainAmount & uom	R	The amount of the non-creditable grain contained in the item. Measured in grams per US regulation.	
<b>PFS Ingredient - Grain - Non Creditable Grain Description</b>	Non Creditable Grain Description	creditableGrainsInformation/noncreditableGrainDescription	R	A descriptive term to describe the non-creditable grain contained in the item. This value must be supplied when non-creditable grains are present in the trade item. In the US, this description should be from the Food Buying Guide.	



<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Ingredient - Grain - Creditable Grain Group</b>	Creditable Grain Group Code	creditableGrainsInformation/creditableGrain/creditableGrainGroupCode	R	The code assigned by the Product Formulation Statement Regulatory Body indicating to which exhibit group the trade item belongs. This code specifics set the formulas and calculations used to determine the grain equivalents for the trade item.	
<b>PFS Ingredient - Grain - Exhibit Group</b>	Exhibit Group	creditableGrainsInformation/creditableGrain/exhibitGroup	R	A reference to the exhibit grouping for the creditable ingredient, described in the creditable ingredient description of the Product Formulation Statement and defined by the requirements, rules and regulations set forth by the applicable product formulation statement regulatory body.	
<b>PFS Document - Referenced File Type Code</b>	Referenced File Type Code	productFormulationStatementDocument/referencedFileTypeCode	C	The file type that is being referenced.	If a document is provided, this value must be populated and must have a value of PRODUCT_FORMULATION_STATEMENT
<b>PFS Document - Primary File Indicator</b>	Primary File	productFormulationStatementDocument/isPrimaryFile	C	Indicates whether a URL for the specified referenced file type links to the primary file that should be used.	If a document is provided, this value must be TRUE. Only one image is supported at this time.



<b>Product Formulation Statement</b>					
<u>Common Name</u>	<u>1WorldSync Attribute Name</u>	<u>Global Data Dictionary Tag</u>	<u>Attribute Requirements</u>	<u>GDSN Definition</u>	<u>Notes</u>
<b>PFS Document - Uniform Resource Identifier</b>	Uniform Resource Identifier	productFormulationStatementDocument/uniformResourceIdentifier	C	Simple text string that refers to a resource on the Internet, URLs may refer to documents, resources, people, etc. This attribute is optional.	If a document is provided, this value must be populated
<b>PFS Document - File Name</b>	File Name	productFormulationStatementDocument/fileName	R	The name of the file that contains the external information.	
<b>PFS Document - Content Description</b>	Content Description	productFormulationStatementDocument/contentDescription	R	Free form description of the content of the file.	
<b>PFS Document - File Format Name</b>	File Format Name	productFormulationStatementDocument/fileFormatName	R	The name of the file format. Examples: PDF; JPEG; BMP	Preferred formats are PDF, JPG, JPEG, or PNG.