



The Global Language of Business

Food, Beverage, Tobacco & Pet Food GDS Context Report

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Change Log

Date of Change	Version	Changed By	Reason for Change	Summary of Change
7-Nov-2012	0.0.1	Mark Van Eeghem	Initial Draft	n/a
22-Jan-2013	0.0.2	Mark Van Eeghem	Major Release Call	Moved out Implementation Consideration section to the TI Modules BMS
30-Jan-2013	0.0.3	Mark Van Eeghem	Community review	Updated external hyperlinks + added section on Codelists
13-Jun-2013	1.0.0	Mark Van Eeghem	Community Review Comments	Updated list of modules, GPC bricks, codelists + fixed external links.
28-Aug-2015	3	Mark Van Eeghem	Schema Drop September 2015	See Section Summary Of Changes

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1 Business Domain View

1.1 Business Need

GDSN Major Release 3.1 is contrary to previous releases based on a Modular Item approach. In previous releases all Trading Partner Neutral Information was included in one big string of classes associated with Trade Item. Extensions were created for different areas, allowing inclusion of classes specific to particular areas. (e.g. Audio Visual Photography, Chemical Ingredients, Apparel and Home Fashion, Healthcare and Food and Beverage).

Major Release 3 is the first release of GDSN having multiple specialized contexts. These contexts facilitate the assignment of reusable modules to a specific context. They have been created around specific GPC Segments, Classes and Bricks. It are these GPC elements which define the inclusion of modules into a particular context.

Context documents are not a Business Message Standard, but rather a help in identifying the constituent parts of a given context.

The context documents contain the following elements:

- A list of the GPC Segments, Classes and Bricks defining the specific Context
- A list of the modules assigned to the specific Context
- The Global Data Dictionary (GDD) reports for the included modules
- The Class Diagrams for the included modules
- The list of Validation Rules specific for the specific Context

Please refer to the GDD for detail on specific elements in the Context Documents.

1.2 Objective

To supply the detailed design of the (specific) business information needed to meet the requirements for Data Alignment within the context of:

- Food, Beverage, Tobacco and Pet Food

1.3 Audience

The audience of this particular context document would be any participant in the global supply chain. This would include retailers, manufacturers, service providers and other third parties.

It is specifically intended for those participants interested in the Food, Beverage, Tobacco and Pet Food Context.

1.4 References

Reference Name	Description
[1] BMS Shared Common Library Release 3.1	
[2] Trade Item Library Release 3.1	
[3] BRAD for Major Release GDSN 3.X	
[4] GDD (http://apps.gs1.org/gdd)	

2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	Food Beverage Tobacco and Pet Food
Process	Distribute Product Information
System Capabilities	GDSN
Official Constraints	None

3 GPC Bricks included in the Food, Beverage, Tobacco & Pet Food Context

3.1 Bricks Included in Context

Segment Code	Segment Description	Family Code	Family Description
50000000	Food/Beverage/Tobacco	50200000	Beverages
50000000	Food/Beverage/Tobacco	50180000	Bread/Bakery Products
50000000	Food/Beverage/Tobacco	50220000	Cereal/Grain/Pulse Products
50000000	Food/Beverage/Tobacco	50160000	Confectionery/Sugar Sweetening Products
50000000	Food/Beverage/Tobacco	50230000	Food/Beverage/Tobacco Variety Packs
50000000	Food/Beverage/Tobacco	50250000	Fruits - Unprepared/Unprocessed (Fresh)
50000000	Food/Beverage/Tobacco	50270000	Fruits - Unprepared/Unprocessed (Frozen)
50000000	Food/Beverage/Tobacco	50310000	Fruits - Unprepared/Unprocessed (Shelf Stable)
50000000	Food/Beverage/Tobacco	50100000	Fruits/Vegetables/Nuts/Seeds Prepared/Processed
50000000	Food/Beverage/Tobacco	50350000	Leaf Vegetables - Unprepared/Unprocessed (Fresh)
50000000	Food/Beverage/Tobacco	50240000	Meat/Poultry
50000000	Food/Beverage/Tobacco	50130000	Milk/Butter/Cream/Yogurts/Cheese/Eggs/Substitutes
50000000	Food/Beverage/Tobacco	50330000	Nuts/Seeds – Unprepared/Unprocessed (Fresh)
50000000	Food/Beverage/Tobacco	50150000	Oils/Fats Edible
50000000	Food/Beverage/Tobacco	50190000	Prepared/Preserved Foods
50000000	Food/Beverage/Tobacco	50120000	Seafood
50000000	Food/Beverage/Tobacco	50170000	Seasonings/Preservatives/Extracts

Segment Code	Segment Description	Family Code	Family Description
50000000	Food/Beverage/Tobacco	50210000	Tobacco/Smoking Accessories
50000000	Food/Beverage/Tobacco	50290000	Vegetables - Unprepared/Unprocessed (Frozen)
50000000	Food/Beverage/Tobacco	50320000	Vegetables - Unprepared/Unprocessed (Shelf Stable)
50000000	Food/Beverage/Tobacco	50260000	Vegetables (Non Leaf) - Unprepared/Unprocessed (Fresh)
10000000	Pet Care/Food	10110000	Pet Food/Drinks
10000000	Pet Care/Food	10120000	Pet Care/Food Variety Packs



Important: The following Product Classifications are included within the above GPC segments but are not a part of this context.

Class Code	Description	Brick Code	Family Description	Resolution
50211500	Tobacco Products/Smoking Accessories	10000303	Smoking Accessories	Distribute Product Information for Kitchen Merchandise, Eating Equipment
50202200	Alcoholic Beverages	10000142	Alcohol Making Kits	Distribute Product Information for Kitchen Merchandise, Eating Equipment
50202200	Alcoholic Beverages	10000143	Alcohol Making Supplies	Distribute Product Information for Kitchen Merchandise, Eating Equipment

4 Modules assigned to the Food, Beverage, Tobacco & Pet Food Context

Module Name	Description	Link
Alcoholic Information Module	A module containing details on products traditionally containing alcohol.	Alcohol Information Module.pdf
Allergen Information Module	A module containing information on allergens for a trade item.	Allergen Information Module.pdf
Award Prize Module	A module describing a prize or award won by the product.	Award Prize Module.pdf
Certification Information Module	A module containing information on certification standards to which the trade item, or the process by which it is manufactured, sourced or supplied complies	Certification Information Module.pdf
Chemical Regulation Information Module	A module containing information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.	Chemical Regulation Information Module.pdf
Consumer Instructions Module	A module contain instructions on how the consumer is to use or store a trade item.	Consumer Instructions Module.pdf
Controlled Substance Module	Information on controlled substances based upon the degree of the substance's medicinal value, harmfulness, and potential for abuse or addiction.	Controlled Substances Module.pdf
Dairy Fish Meat Poultry Item Module	A module containing content and processing related information specific to dairy, fish, meat and poultry products.	Dairy Fish Meat Poultry Item Module.pdf
Dangerous Substance Information Module	Details on substances that can harm people, other living organisms, property, or the environment.	Dangerous Substance Information Module.pdf
Delivery Purchasing Information Module	A module containing information on the available ordering, purchasing and delivery for a trade item.	Delivery Purchasing Information Module.pdf
Diet Information Module	Information on whether the product meets the criteria to be classified as suitable for a specific targeted group. Certain groups of consumers are limited in consuming products, depending on the ingredients or preparation style. This can be i.e. due to religious reasons or restriction of diet reasons.	Diet Information Module.pdf
Duty Fee Tax Information Module	A module containing information on a duty, fee or tax which may be applicable to a trade item.	Duty Fee Tax Information Module.pdf
Farming And Processing Information Module	Information on any farming or processing performed on and agricultural trade item.	Farming And Processing Information Module.pdf
Food and Beverage Ingredient Module	Information on the constituent ingredient make up of the product.	Food And Beverage Ingredient Module.pdf
Food and Beverage Preparation Serving Module	Information on way the product can be prepared or served.	Food And Beverage Preparation Serving Module.pdf
Food And Beverage Properties Information Module	Information on physiochemical or other properties of food and beverage products.	Food And Beverage Properties Information Module.pdf

Module Name	Description	Link
Health Related Information Module	A module containing marketing or regulatory information specific to health or safety.	Health Related Information Module.pdf
Health Wellness Packaging Marking Module	Indicates any marking on the packaging of a trade item, including labelling of information related to allergens, suitable diet, safety and ingredients.	Health Wellness Packaging Marking Module.pdf
Healthcare Item Information Module	Information relevant to all classifications of healthcare items.	Healthcare Item Information Module.pdf
Marketing Information Module	Information on a trade item meant to convey features and benefits and targeted customer.	Marketing Information Module.pdf
NonGTIN Logistics Unit Information Module	A module detailing information on a logistics item without a GTIN.	NonGTIN Logistics Unit Information Module.pdf
Nutritional Information Module	Information about content of nutrients. Multiple sets of nutrient information can be specified with varying state, serving size and daily value intake base.	Nutritional Information Module.pdf
Organism Classification Module	Hierarchical system for grouping and naming types of living organisms.	Organism Classification Module.pdf
Packaging Information Module	Packaging information for a trade item.	Packaging Information Module.pdf
Packaging Marking Module	A module containing details on markings on the packaging of the trade item for example dates, environment.	Packaging Marking Module.pdf
Packaging Sustainability Module	Provides the packaging sustainability module information	Packaging Sustainability Module.pdf
Pharmaceutical Item Information Module	A module containing information on medicinal drugs.	Pharmaceutical Item Information Module.pdf
Physical Resource Usage Information Module	A module containing Information on resource usage for the trade item.	Physical Resource Usage Information Module.pdf
Place of Item Activity Module	Origin and other information for the purposes of customs, marketing, etc.	Place Of Item Activity Module.pdf
Product Characteristics Module	A module used to express characteristics for a product for example values for a property such as numberOfPhys.	Product Characteristics Module.pdf
Promotional Item Information Module	A module providing details of the type of promotional item.	Promotional Item Information Module.pdf
Propellant Information Module	Information on compressed gas or propellant contained in the trade item.	Propellant Information Module.pdf
Referenced File Detail Information Module	Information specifying a link to a file external to the message itself.	Referenced File Detail Information Module.pdf
Regulated Trade Item Module	A module containing Information on applicable government regulations a trade item is in compliance with.	Regulated Trade Item Module.pdf
Sales Information Module	Sales information regarding price and selling conditions/restrictions of the Trade Item to the consumer.	Sales Information Module.pdf
Security Tag Information Module	Information on any security tags that may come with the trade item.	Security Tag Information Module.pdf
Sustainability Module	Properties of the trade item that can affect the ecological or human environment.	Sustainability Module.pdf
Trade Item Data Carrier And	A module used to convey any	Trade Item Data Carrier And Identification

Module Name	Description	Link
Identification Module	data carriers formats on the trade item and any associated GS1 application identifiers	Module .pdf
Trade Item Description Module	A module carrying general descriptions of the trade item including brand, form, variant.	Trade Item Description Module.pdf
Trade Item Handling Module	A module containing instructions on the way to treat goods during transport and storage.	Trade Item Handling Module.pdf
Trade Item Hierarchy Module	A module containing information on how the hierarchical structure of a trade item for example number of layers on a pallet.	Trade Item Hierarchy Module.pdf
Trade Item Humidity Information Module	A module containing information on permissible humidity of a trade item during various points of the supply chain.	Trade Item Humidity Information Module.pdf
Trade Item Lifespan Module	A module containing information on the amount of time the item can or should be used, sold, etc.	Trade Item Lifespan Module.pdf
Trade Item Measurements Module	A module containing measurement information for the trade item.	Trade Item Measurements Module.pdf
Trade Item Size Module	A module specifying the size of an object as a code or a description.	Trade Item Size Module.pdf
Trade Item Temperature Information Module	A module containing information on permissible temperature of a trade item during various points of the supply chain	Trade Item Temperature Information Module.pdf
Transportation Hazardous Classification Module	A module containing information on hazardous information typically based on a specific mode of transportation as regulated by an agency for example ADR, IATA, DOT, IMDG.	Transportation Hazardous Classification Module.pdf
Variable Trade Item Information Module	A module with information specific to variable weight or dimension trade items.	Variable Trade Item Information Module .pdf

5 Enumerations and Code Lists referenced in the Food, Beverage, Tobacco & Pet Food Context

5.1 External Code Lists

Relevant external code lists can be found at the following link:

[External Code Lists](#)

6 Validation Rules specific to the Food, Beverage, Tobacco & Pet Food Context

Validation Rule Groupings	Link
Validations for All Product Contexts	GDSN Validation Rules All
Validation Rules specific to the Food, Beverage, Tobacco & Pet Food Context	GDSN Validation Rules FBTPF R3p1p0_d3p0p0.xlsx

7 Appendices

(Insert Content Here)

8 Summary of Changes

Change	Report Version	Associated WR Number						
Initial draft	1.0.0							
<div><ul style="list-style-type: none">Added line numbers to context document.Changed line 95 from " included within the above GPC segments but should not be part of this context."Removed GPC Family 50340000 (Nuts/Seeds – Unprepared/Unprocessed (Shelf Stable)) from section 3.1Added GPC families below to section 3.1:</div> <table><tr><td>50250000</td><td>Fruits - Unprepared/Unprocessed (Fresh)</td></tr><tr><td>50270000</td><td>Fruits - Unprepared/Unprocessed (Frozen)</td></tr><tr><td>50310000</td><td>Fruits - Unprepared/Unprocessed (Shelf Stable)</td></tr></table> <div><ul style="list-style-type: none">Line 98, Section 4, updated modules and links associated with this context:Replaced module " Alcoholic Beverage Information Module" by "Alcohol Information Module"Added "Consumer Instructions Module"Renamed module "Controlled Substance Module" to "Controlled Substances Module"Replaced Module Data Carrier by TradeItemDataCarrierAndIdentificationModule+ updated its definition.Added module " Delivery Purchasing Information Module"Replaced Module "Hazardous Information Module" by module "Transportation Hazardous Classification Module" + updated definitionReplaced module " Health Benefit Information Module " by module "Health Related Information Module"Removed Safety Data sheet ModuleRenamed " Sales Conditions Information Module" to " Sales Information Module"Added "Trade Item Size module"Removed Specific Validation Rules for FBT context in section 6, as the full set contains a field with context.</div>	50250000	Fruits - Unprepared/Unprocessed (Fresh)	50270000	Fruits - Unprepared/Unprocessed (Frozen)	50310000	Fruits - Unprepared/Unprocessed (Shelf Stable)	1.0.1	
50250000	Fruits - Unprepared/Unprocessed (Fresh)							
50270000	Fruits - Unprepared/Unprocessed (Frozen)							
50310000	Fruits - Unprepared/Unprocessed (Shelf Stable)							
<div><ul style="list-style-type: none">Updated document to new format of GS1 Template</div>	3							