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| DP006 - Distribute Product Information for Food Beverage Tobacco and Pet Food Products |
| - |
| Release , 7, |

Document Summary

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| Document Item | Current Value |
| Document Name | DP006 - Distribute Product Information for Food Beverage Tobacco and Pet Food ProductsGDS Context Report |
| Document Date |  |
| Document Version |  |
| Document Issue |  |
| Document Status |  |
| Document Description |  |

Work Request Reference

|  |  |  |
| --- | --- | --- |
| Date of WR Submission | Submitter(s): | Refer to Work Request Number(s): |
|  |  |  |

Business Requirements Document (BRAD) Reference

|  |  |  |
| --- | --- | --- |
| BRAD Title: | BRD Date: | BRAD Version |
|  |  |  |
|  |  |  |

Contributors

|  |  |
| --- | --- |
| **Name** | **Organisation** |
| Steve Robba | 1WorldSync |
| Robin Kidd | Nestle |
| Scott Brown | GS1 US |
| Mickey Atkins | Ahold (USA) |
| Tom Eric Schmidt | August Storck KG |
| Alasdair Garbett | Autogrill Retail UK Ltd t/a WDF |
| Bekki Windsperger | Best Buy Co., Inc. |
| Ed Jesus | Chep |
| Craig Arseneau | Commport Communications Int’l Inc. |
| Nadine Radomski | Dean Foods Company |
| Patrick Roy | FSE, Inc. |
| Joy Schneck | General Mills, Inc. |
| Mitch Fortier | GS1 Australia |
| Mirna Utkovic | GS1 Australia |
| Stephan Wijnker | GS1 Australia |
| Kristel Lai | GS1 Canada |
| Rita Laur | GS1 Canada |
| Giovanni Biffi | GS1 Colombia |
| Jean-Luc Leblond | GS1 France |
| Tanja Thomsen | GS1 Germany |
| Justin Childs | GS1 Global Office |
| JánosGyuris | GS1 Hungary |
| KrisztinaVatai | GS1 Hungary |
| Brendan Kernan | GS1 Ireland |
| Andrea Ausili | GS1 Italy |
| Federico Mittersteiner | GS1 Italy |
| Hideki Ichihara | GS1 Japan |
| Gabriel Sobrino | GS1 Netherlands |
| LeppieKolwane | GS1 South Africa / Consumer Goods Council of South Africa |
| Xavier Pujol | GS1 Spain |
| Peter Jönsson | GS1 Sweden |
| Staffan Olsson | GS1 Sweden |
| Thanh Reichen | GS1 Switzerland |
| Neil Gray | GS1 UK |
| Shan Welch | GS1 UK |
| Tracey Davies | GXS (UK) |
| Joanna Stewart | GXS (US) |
| Rob Hoffman | Hershey Company (The) |
| Christine Nye | Hershey Company (The) |
| Eric Ginsburg | HJ Heinz |
| Betty Tyson | Knouse Foods Cooperative, Inc |
| Barbara Munro | Kraft Foods, Inc. |
| Ryan Richard | Kraft Foods, Inc. |
| Véra Feuerstein | Nestle |
| Joseph Bohning | Nestle Purina PetCare |
| Gina Tomassi | PepsiCo, Inc. |
| Sascha Kasper | SA2 Worldsync GmbH |
| SelcukOvuc | SA2 Worldsync GmbH |
| Maxim Stafeyev | SKB Kontur |
| Jason Lavik | Target Corporation |
| Phyllis Koch | The Schwan Food Company |
| Werner Kolb | Unilever N.V. |
| Audrey Wiggins | Wal-Mart Stores, Inc. |
| Mac Young | Waldo County General Hospital |
| Jan Jaworski | Wilton Industries, Inc. |
| Justin Childs | GS1 Global Office |
| Eric Kauz | GS1 Global Office |
| Mark Van Eeghem | GS1 Global Office |

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 |
| May-2016 | 4 | Eric Kauz | 3.1.2 |  |
| 27-Jun-2016 | 5 | Mark Van Eeghem | 3.1.2 Maintenance Release | See Section Summary Of Changes |
| 11-Aug-2016 | 6 | Mark Van Eeghem | 3.1.2 Maintenance Release | See Section Summary Of Changes |
| 25-Jan-2017 | 7 | Mark Van Eeghem | 3.1.2.1 GPC/ECL/AVP Release | See Section Summary Of Changes |

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# Business Domain View

## 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.

## 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

## Audience

The audience of this particular contextdocument 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.

## 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) |  |

# 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 |

# GPC Bricks included in the Context

| Link |
| --- |
| [GPC\_Bricks\_Mapping\_To\_DP006\_Food\_Beverage\_Tobacco\_And\_Petfood](GPC_Bricks_Mapping_To_DP006_i3p1p2p1_i3_December2016.xlsx) |

# Modules assigned to the Context

| Module Name | Description | Link |
| --- | --- | --- |
| Alcoholic Information Module | A module containing details on products traditionally containing alcohol. | [Alcohol\_Information\_Module.pdf](Modules/Alcohol_Information_Module.pdf) |
| Allergen Information Module | A module containing information on allergens for a trade item. | [Allergen\_Information\_Module.pdf](Modules/Allergen_Information_Module.pdf) |
| Animal Feeding Module | A module containing information on animal feeding related trade items. | [Animal\_Feeding\_Module.pdf](Animal_Feeding_Module%20.pdf) |
| Award Prize Module | A module describing a prize or award won by the product. | [Award\_Prize\_Module.pdf](Modules/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](Modules/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](Modules/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](Modules/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](Modules/Controlled%20Substances%20Module.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](Modules/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](Modules/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](Modules/DeliveryPurchasingInformationModule.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](Modules/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](Modules/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](Modules/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](Modules/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](Modules/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](Modules/Food_And_Beverage_Properties_Information_Module.pdf) |
| Health Related Information Module | A module containing marketing or regulatory information specific to health or safety. | [Health\_Related\_Information\_Module.pdf](Modules/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](Modules/Health_Wellness_Packaging_Marking_Module.pdf) |
| Healthcare Item Information Module | Information relevant to all classifications of healthcare items. | [Healthcare\_Item\_Information\_Module.pdf](Modules/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](Modules/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](Modules/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](Modules/Nutritional_Information_Module.pdf) |
| Organism Classification Module | Hierarchical system for grouping and naming types of living organisms. | [Organism\_Classification\_Module.pdf](Modules/Organism_Classification_Module.pdf) |
| Packaging Information Module | Packaging information for a trade item. | [Packaging\_Information\_Module.pdf](Modules/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](Modules/Packaging_Marking_Module.pdf) |
| Packaging Sustainability Module | Provides the packaging sustainability module information | [Packaging\_Sustainability\_Module.pdf](Modules/Packaging_Sustainability_Module.pdf) |
| Pharmaceutical Item Information Module | A module containing information on medicinal drugs. | [Pharmaceutical\_Item\_ Information\_Module.pdf](Modules/Pharmaceutical_Item_%20Information_Module.pdf) |
| Physical Resource Usage Information Module | A module containing Information on resource usage for the trade item. | [Physical\_Resource\_Usage\_Information\_Module.pdf](Modules/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](Modules/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 numberOfPlys. | [Product\_Characteristics\_Module.pdf](Modules/Product_Characteristics_Module.pdf) |
| Promotional Item Information Module | A module providing details of the type of promotional item. | [Promotional\_Item\_Information\_Module.pdf](Modules/Promotional_Item_Information_Module.pdf) |
| Propellant Information Module | Information on compressed gas or propellant contained in the trade item. | [Propellant\_Information\_Module.pdf](Modules/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](Modules/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](Modules/Regulated%20Trade%20Item%20Module.pdf) |
| Sales Information Module | Sales information regarding price and selling conditions/restrictions of the Trade Item to the consumer. | [Sales\_Information\_Module.pdf](Modules/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](Modules/Security_Tag_Information_Module.pdf) |
| Sustainability Module | Properties of the trade item that can affect the ecological or human environment. | [Sustainability\_Module.pdf](Modules/Sustainability_Module.pdf) |
| Trade Item Data Carrier And Identification Module | A module used to convey any data carriers formats on the trade item and any associated GS1 application identifiers | [Trade Item Data Carrier And Identification Module .pdf](Modules/Trade_Item_Data_Carrier_And_Identification_Module%20.pdf) |
| Trade Item Description Module | A module carrying general descriptions of the trade item including brand, form, variant. | [Trade\_Item\_Description\_Module.pdf](Modules/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](Modules/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](Modules/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](Modules/Trade_Item_Humidity_Information_Module.pdf) |
| Trade Item Licensing Module | A module containing licensing information for the trade item. | [Trade\_Item\_Licensing\_Module.pdf](Modules/Trade_Item_Licensing_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](Modules/Trade_Item_Lifespan_Module.pdf) |
| Trade Item Measurements Module | A module containing measurement information for the trade item. | [Trade\_Item\_Measurements\_Module.pdf](Modules/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](Modules/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](Modules/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](Modules/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](Modules/Variable_Trade_Item_Information_Module.pdf) |

# Enumerations and Code Lists referenced in the Context

## External Code Lists

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

[GDSN Code List BMS](http://www.gs1.org/gdsn-3121-code-list-document)

# Validation Rules specific to the Context

| Validation Rule Groupings | Link |
| --- | --- |
| Validations for All Product Contexts | [GDSN\_Validation\_Rules\_All](Validation%20Rules/GDSN_Validation_Rules_BMS_All_R3p1p2_i3_August2016.xlsx) |
| Validation Rules specific to the Context | [GDSN\_Validation\_Rules\_FBTPF\_R3p1p0\_d3p0p0.xlsx](Validation%20Rules/GDSN_Validation_Rules_FBTPF_R3p1p2_d1p0p0.xlsx) |

# Appendices

# Summary of Changes

|  |  |  |
| --- | --- | --- |
| Change | Report Version | Associated WR Number |
| Initial draft | 1.0.0 |  |
| * 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 3.1 * Added GPC families below to section 3.1:  |  |  | | --- | --- | | 50250000 | Fruits - Unprepared/Unprocessed (Fresh) | | 50270000 | Fruits - Unprepared/Unprocessed (Frozen) | | 50310000 | Fruits - Unprepared/Unprocessed (Shelf Stable) |  * 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 definition * Replaced module " Health Benefit Information Module " by module "Health Related Information Module" * Removed Safety Data sheet Module * Renamed " 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. | 1.0.1 |  |
| * Updated document to new format of GS1 Template | 3 |  |
| * Updated links, added Animal Feeding Module and Trade Item Licensing Module | 4 |  |
| * Updated issue number from 4 to 5 * Updated Document date from May to July 2016 * Removed the list of included bricks in the context from section 3, and moved them into a separate Excel spreadsheet. * Inserted a hyperlink in section 3 to the Excel spreadsheet containing the full list of GPC Bricks included in this context. * Updated the hyperlinks to the Validation Rules Documents for 3.1.2 | 5 |  |
| * Updated hyperlink for GPC Mapping (section 3) from “GPC\_Bricks\_Belonging\_To\_GDSN\_Context\_FBT\_Petfood\_i3p1p2” to “GPC\_Bricks\_Mapping\_To\_DP006\_Food\_Beverage\_Tobacco\_And\_Petfood” * Renamed context name to correct code list value (both in title and section headings) | 6 |  |
| * Updated hyperlink for GPC mapping to the latest file for GDS Release 3.1.2.1. * Updated hyperlink for codelists document. | 7 |  |