



The Global Language of Business

# DP015 - Distribute Product Information Cross Segment and Variety Packs GDS Context Report

-

*Release 3.1.2.1.7, Issue 7, January 2017*

---



## Document Summary

Document Item	Current Value
Document Name	DP015 - Distribute Product Information Cross Segment and Variety PacksGDS Context Report
Document Date	January 2017
Document Version	3.1.2.1
Document Issue	7
Document Status	Issue
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



Name	Organisation
Rita Laur	GS1 Canada
Giovanni Biffi	GS1 Colombia
Jean-Luc Leblond	GS1 France
Tanja Thomsen	GS1 Germany
Justin Childs	GS1 Global Office
János Gyuris	GS1 Hungary
Krisztina Vatai	GS1 Hungary
Brendan Kernan	GS1 Ireland
Andrea Ausili	GS1 Italy
Federico Mittersteiner	GS1 Italy
Hideki Ichihara	GS1 Japan
Gabriel Sobrino	GS1 Netherlands
Leppie Kolwane	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
Selcuk Ovuc	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.



Name	Organisation
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
25-Jun-2013	1.0.0	Mark Van Eeghem	Community Review	Initial draft
28-Aug-2015	3	Mark Van Eeghem	Schema Drop September 2015	See Section Summary Of Changes
May-2016	4	Eric Kauz	3.1.2	See Section Summary Of Changes
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

## Disclaimer

GS1<sup>®</sup>, under its IP Policy, seeks to avoid uncertainty regarding intellectual property claims by requiring the participants in the Work Group that developed this **DP015 - Distribute Product Information Cross Segment and Variety Packs GDS Context Report** to agree to grant to GS1 members a royalty-free licence or a RAND licence to Necessary Claims, as that term is defined in the GS1 IP Policy. Furthermore, attention is drawn to the possibility that an implementation of one or more features of this Specification may be the subject of a patent or other intellectual property right that does not involve a Necessary Claim. Any such patent or other intellectual property right is not subject to the licencing obligations of GS1. Moreover, the agreement to grant licences provided under the GS1 IP Policy does not include IP rights and any claims of third parties who were not participants in the Work Group.

Accordingly, GS1 recommends that any organization developing an implementation designed to be in conformance with this Specification should determine whether there are any patents that may encompass a specific implementation that the organisation is developing in compliance with the Specification and whether a licence under a patent or other intellectual property right is needed. Such a determination of a need for licencing should be made in view of the details of the specific system designed by the organisation in consultation with their own patent counsel.

THIS DOCUMENT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF THIS SPECIFICATION. GS1 disclaims all liability for any damages arising from use or misuse of this Standard, whether special, indirect, consequential, or compensatory damages, and including liability for infringement of any intellectual property rights, relating to use of information in or reliance upon this document.

GS1 retains the right to make changes to this document at any time, without notice. GS1 makes no warranty for the use of this document and assumes no responsibility for any errors which may appear in the document, nor does it make a commitment to update the information contained herein.

GS1 and the GS1 logo are registered trademarks of GS1 AISBL.



## Table of Contents

<b>1 Business Domain View .....</b>	<b>6</b>
1.1 Business Need .....	6
1.2 Objective .....	6
1.3 Audience .....	6
1.4 References .....	6
<b>2 Business Context.....</b>	<b>7</b>
<b>3 GPC Bricks included in the DP015 - Distribute Product Information Cross Segment and Variety Packs Context.....</b>	<b>8</b>
<b>4 Modules assigned to the DP015 - Distribute Product Information Cross Segment and Variety Packs Context.....</b>	<b>8</b>
<b>5 Enumerations and Code Lists referenced in the DP015 - Distribute Product Information Cross Segment and Variety Packs Context .....</b>	<b>12</b>
5.1 External Code Lists.....	12
<b>6 Validation Rules specific to the DP015 - Distribute Product Information Cross Segment and Variety Packs Context.....</b>	<b>12</b>
<b>7 Appendices.....</b>	<b>12</b>
<b>8 Summary of Changes .....</b>	<b>12</b>

# 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:

- Mixed (GPC Bricks belonging to no other context)

## 1.3 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 bricks not belonging to any other 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 ( <a href="http://apps.gs1.org/gdd">http://apps.gs1.org/gdd</a> )	



## 2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	Cross Segment and Variety Packs
Process	Distribute Product Information
System Capabilities	GDSN
Official Constraints	None

### 3 GPC Bricks included in the DP015 - Distribute Product Information Cross Segment and Variety Packs Context

Link
<a href="#">GPC Bricks Mapping To DP015 Cross Segment And Variety Packs</a>

### 4 Modules assigned to the DP015 - Distribute Product Information Cross Segment and Variety Packs Context

Module Name	Description	Link
Alcoholic Information Module	A module containing details on products traditionally containing alcohol.	<a href="#">Alcohol Information Module.pdf</a>
Allergen Information Module	A module containing information on allergens for a trade item.	<a href="#">Allergen Information Module.pdf</a>
Animal Feeding Module	A module containing information on animal feeding related trade items.	<a href="#">Animal Feeding Module .pdf</a>
Apparel Information Module	A module containing details specific to apparel trade items.	<a href="#">Apparel Information Module.pdf</a>
Audience Or Player Information Module	Logical grouping of information regarding audience or player information.	<a href="#">Audience Or Player Information Module.pdf</a>
Audio Visual Media Content Information Module	Information on the media included in the package for the purposes of storing the software, games, music, films.	<a href="#">Audio Visual Media Content Information Module.pdf</a>
Audio Visual Media Product Description Information Module	A module containing Information on the genre and content of an entertainment related product (e.g. movies, music) including format and genre.	<a href="#">Audio Visual Media Product Description Module.pdf</a>
Audio Visual Media Production Information Module	Information on the production of the audio, visual or media publication.	<a href="#">Audio Visual Media Production Information Module.pdf</a>
Award Prize Module	A module describing a prize or award won by the product.	<a href="#">Award Prize Module.pdf</a>
Battery Information Module	Battery information for a trade item.	<a href="#">Battery Information Module.pdf</a>
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	<a href="#">Certification Information Module.pdf</a>
Chemical Regulation Information Module	A module containing information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.	<a href="#">Chemical Regulation Information Module.pdf</a>
Consumer Instructions Module	A module contain instructions on how the consumer is to use or store a trade item.	<a href="#">Consumer Instructions Module.pdf</a>
Controlled Substance Module	Information on controlled substances based upon the degree of the substance's medicinal value, harmfulness, and potential for abuse or addiction.	<a href="#">Controlled Substances Module.pdf</a>
Copyright Information Module	A group of data elements which together represent a copyright	<a href="#">Copyright Information Module.pdf</a>



Module Name	Description	Link
	statement for the product. Either the copyright year alone, or a structured copyright statement listing year(s) and copyright holder(s), may be sent	
Dairy Fish Meat Poultry Item Module	A module containing content and processing related information specific to dairy, fish, meat and poultry products.	<a href="#">Dairy Fish Meat Poultry Item Module.pdf</a>
Dangerous Substance Information Module	Details on substances that can harm people, other living organisms, property, or the environment.	<a href="#">Dangerous Substance Information Module.pdf</a>
Delivery Purchasing Information Module	A module containing information on the available ordering, purchasing and delivery for a trade item.	<a href="#">Delivery Purchasing Information Module.pdf</a>
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.	<a href="#">Diet Information Module.pdf</a>
Durable Goods Characteristics Module	A module containing attributes applicable to a broad range of durable goods.	<a href="#">Durable Goods Characteristics Module.pdf</a>
Duty Fee Tax Information Module	A module containing information on a duty, fee or tax which may be applicable to a trade item.	<a href="#">Duty Fee Tax Information Module.pdf</a>
Electronic Device Characteristics Information Module	A module containing technical and other product characteristics for electronic items.	<a href="#">Electronic Device Characteristics Information Module.pdf</a>
Farming And Processing Information Module	Information on any farming or processing performed on and agricultural trade item.	<a href="#">Farming And Processing Information Module.pdf</a>
Food and Beverage Ingredient Module	Information on the constituent ingredient make up of the product.	<a href="#">Food And Beverage Ingredient Module.pdf</a>
Food and Beverage Preparation Serving Module	Information on way the product can be prepared or served.	<a href="#">Food And Beverage Preparation Serving Module.pdf</a>
Food And Beverage Properties Information Module	Information on physiochemical or other properties of food and beverage products.	<a href="#">Food And Beverage Properties Information Module.pdf</a>
Health Related Information Module	A module containing marketing or regulatory information specific to health or safety.	<a href="#">Health Related Information Module.pdf</a>
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.	<a href="#">Health Wellness Packaging Marking Module.pdf</a>
Healthcare Item Information Module	Information relevant to all classifications of healthcare items.	<a href="#">Healthcare Item Information Module.pdf</a>
Marketing Information Module	Information on a trade item meant to convey features and benefits and targeted customer.	<a href="#">Marketing Information Module.pdf</a>
Medical Device Trade Item Module	A module containing information on medical device trade items.	<a href="#">Medical Device Trade Item Module.pdf</a>
Movie Revenue Information Module	A module containing attributes relating to the revenue of a film.	<a href="#">Movie Revenue Information Module.pdf</a>
Nonfood Ingredient Module	A module providing Information on ingredients for items that are not food for example detergents,	<a href="#">Nonfood Ingredient Module.pdf</a>

Module Name	Description	Link
	medicines.	
NonGTIN Logistics Unit Information Module	A module detailing information on a logistics item without a GTIN.	<a href="#">NonGTIN Logistics Unit Information Module.pdf</a>
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.	<a href="#">Nutritional Information Module.pdf</a>
ONIX Publication File Information Module	An extension to the trade item providing books and publication information found in ONIX files.	<a href="#">ONIX Publication File Information Module.pdf</a>
Organism Classification Module	Hierarchical system for grouping and naming types of living organisms.	<a href="#">Organism Classification Module.pdf</a>
Packaging Information Module	Packaging information for a trade item.	<a href="#">Packaging Information Module.pdf</a>
Packaging Marking Module	A module containing details on markings on the packaging of the trade item for example dates, environment.	<a href="#">Packaging Marking Module.pdf</a>
Packaging Sustainability Module	Provides the packaging sustainability module information	<a href="#">Packaging Sustainability Module.pdf</a>
Pharmaceutical Item Information Module	A module containing information on medicinal drugs.	<a href="#">Pharmaceutical Item Information Module.pdf</a>
Physical Resource Usage Information Module	A module containing Information on resource usage for the trade item.	<a href="#">Physical Resource Usage Information Module.pdf</a>
Place of Item Activity Module	Origin and other information for the purposes of customs, marketing, etc.	<a href="#">Place Of Item Activity Module.pdf</a>
Plumbing HVAC Pipe Information Module	A module containing plumbing and HVAC information for a trade item.	<a href="#">Plumbing HVAC Pipe Information Module.pdf</a>
Product Characteristics Module	A module used to express characteristics for a product for example values for a property such as numberOfPhys.	<a href="#">Product Characteristics Module.pdf</a>
Promotional Item Information Module	A module providing details of the type of promotional item.	<a href="#">Promotional Item Information Module.pdf</a>
Propellant Information Module	Information on compressed gas or propellant contained in the trade item.	<a href="#">Propellant Information Module.pdf</a>
Publication Title Rating Module	A module containing information regarding the content viewer maturity rating for an entertainment product.	<a href="#">Publication Title Rating Module.pdf</a>
Referenced File Detail Information Module	Information specifying a link to a file external to the message itself.	<a href="#">Referenced File Detail Information Module.pdf</a>
Regulated Trade Item Module	A module containing Information on applicable government regulations a trade item is in compliance with.	<a href="#">Regulated Trade Item Module.pdf</a>
Safety Data Sheet Module	A module containing safety data sheet or on a material safety data sheet as it is referred to in some target markets.	<a href="#">Safety Data Sheet Module.pdf</a>
Sales Information Module	Sales information regarding price and selling conditions/restrictions of the Trade Item to the consumer.	<a href="#">Sales Information Module.pdf</a>
Security Tag Information Module	Information on any security tags that may come with the trade item.	<a href="#">Security Tag Information Module.pdf</a>
Software System Requirements Module	A Module with details on any required or recommended system	<a href="#">Software System Requirements Module.pdf</a>

Module Name	Description	Link
	capabilities to run the software.	<a href="#">df</a>
Sustainability Module	Properties of the trade item that can affect the ecological or human environment.	<a href="#">Sustainability Module.pdf</a>
Textile Material Module	A module expressing details on the composition of any materials used to make apparel, home furnishings and other similar items.	<a href="#">Textile Material Module.pdf</a>
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	<a href="#">Trade Item Data Carrier And Identification Module .pdf</a>
Trade Item Description Module	A module carrying general descriptions of the trade item including brand, form, variant.	<a href="#">Trade Item Description Module.pdf</a>
Trade Item Disposal Information Module	Information on the disposal of the trade item for the purposes of sustainability.	<a href="#">Trade Item Disposal Information Module .pdf</a>
Trade Item Handling Module	A module containing instructions on the way to treat goods during transport and storage.	<a href="#">Trade Item Handling Module.pdf</a>
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.	<a href="#">Trade Item Hierarchy Module.pdf</a>
Trade Item Humidity Information Module	A module containing information on permissible humidity of a trade item during various points of the supply chain.	<a href="#">Trade Item Humidity Information Module.pdf</a>
Trade Item Licensing Module	A module containing licensing information for the trade item.	<a href="#">Trade Item Licensing Module.pdf</a>
Trade Item Lifespan Module	A module containing information on the amount of time the item can or should be used, sold, etc.	<a href="#">Trade Item Lifespan Module.pdf</a>
Trade Item Measurements Module	A module containing measurement information for the trade item.	<a href="#">Trade Item Measurements Module.pdf</a>
Trade Item Size Module	A module specifying the size of an object as a code or a description.	<a href="#">Trade Item Size Module.pdf</a>
Trade Item Temperature Information Module	A module containing information on permissible temperature of a trade item during various points of the supply chain	<a href="#">Trade Item Temperature Information Module.pdf</a>
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.	<a href="#">Transportation Hazardous Classification Module.pdf</a>
Variable Trade Item Information Module	A module with information specific to variable weight or dimension trade items.	<a href="#">Variable Trade Item Information Module .pdf</a>
Video Display Device Information Module	A module containing Information of the capabilities of a trade item that displays visual images for example a television or a computer monitor.	<a href="#">Video Display Device Information Module.pdf</a>
Warranty Information Module	An assurance that the trade item is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.	<a href="#">Warranty Information Module.pdf</a>

## 5 Enumerations and Code Lists referenced in the DP015 - Distribute Product Information Cross Segment and Variety Packs Context

### 5.1 External Code Lists

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

[GDSN Code List BMS](#)

## 6 Validation Rules specific to the DP015 - Distribute Product Information Cross Segment and Variety Packs Context

Validation Rule Groupings	Link
Validations for All Product Contexts	<a href="#">GDSN Validation Rules All</a>
Validation Rules specific to the DP015 - Distribute Product Information Cross Segment and Variety Packs Context	N/A

## 7 Appendices

## 8 Summary of Changes

Change	Report Version	Associated WR Number
Initial draft	1.0.0	
<ul style="list-style-type: none"> <li>Changed in title of 3.1 classes included to bricks included.</li> </ul>	3	
<ul style="list-style-type: none"> <li>Updated links, added Trade Item Licensing Module</li> </ul>	4	
<ul style="list-style-type: none"> <li>Updated issue number from 4 to 5</li> <li>Updated Document date from May to July 2016</li> <li>Removed the list of included bricks in the context from section 3, and moved them into a separate Excel spreadsheet.</li> <li>Inserted a hyperlink in section 3 to the Excel spreadsheet containing the full list of GPC Bricks included in this context.</li> <li>Updated hyperlink for the Validation Rules document for 3.1.2</li> </ul>	5	
<ul style="list-style-type: none"> <li>Updated hyperlink for GPC Mapping (section 3) from "GPC_Bricks_Belonging_To_GDSN_Context_Cross_Segment_i3p1p2" to "GPC_Bricks_Mapping_To_DP015_Cross_Segment_And_Variety_Packs"</li> <li>Renamed context name to correct code list value (both in title and section headings)</li> </ul>	6	
<ul style="list-style-type: none"> <li>Updated hyperlink for GPC mapping to the latest file for GDS Release 3.1.2.1.</li> <li>Updated hyperlink for codelists document.</li> </ul>	7	