The Global Language of Business

DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals GDS Context Report

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Change Log

Date of Change	Version	Changed By	Reason for Change	Summary of Change
7-Feb-2013	0.0.1	Mark Van Eeghem	Initial Draft	n/a
14-Jun-2013	1.0.0	Mark Van Eeghem	Comment Resolution for Community Review	See section Summary of Changes
15-Sept-2014	1.0.1	Eric Kauz	Round 3	See section Summary of Changes
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

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Table of Contents

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:

- Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals

Note: These are products that are chemical based and are not for human or animal consumption and are used for household or commercial purposes to clean, paint, seal, fuel, lubricate etc.

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 Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals 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	

Reference Name	Description
[4] GDD (http:/apps.gs1.org/gdd)	

2　Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals
Process	Distribute Product Information
System Capabilities	GDSN
Official Constraints	None

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3 GPC Bricks included in the DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context

Link
_GPC_Bricks_Mapping_To_DP004_GPC_Bricks_Mapping_To_DP004_Cleaning_Hygiene_Prod_Lubric_Fuels_Automot_Build_Prod_Chem_

4 Modules assigned to the DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals 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_
Battery Information Module	Battery information for a trade item.	_Battery_Information_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_
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_
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_
Electronic Device Characteristics Information Module	A module containing technical and other product characteristics for electronic items.	_Electronic_Device_Characteristics_Information_Module.pdf_
Farming And Processing Information Module	Information on any farming or processing performed on and	_Farming_And_Processing_Information_Module.pdf_

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Module Name	Description	Link
	agricultural trade item.	
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*
Marketing Information Module	Information on a trade item meant to convey features and benefits and targeted customer.	*Marketing_Information_Module.pdf*
Nonfood Ingredient Module	A module providing Information on ingredients for items that are not food for example detergents, medicines.	*Nonfood_Ingredient_Module.pdf*
NonGTIN Logistics Unit Information Module	A module detailing information on a logistics item without a GTIN.	*NonGTIN_Logistics_Unit_Information_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*
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 numberOfPlys.	*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*
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.	*Safety_Data_Sheet_Module.pdf*
Sales Information Module	Sales information regarding price and selling conditions/restrictions of the Trade Item to the consumer.	*Sales_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 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*
Trade Item Description Module	A module carrying general descriptions of the trade item including brand, form, variant.	*Trade_Item_Description_Module.pdf*

Module Name	Description	Link
Trade Item Disposal Information Module	Information on the disposal of the trade item for the purposes of sustainability.	*Trade_Item_Disposal_Information_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 Licensing Module	A module containing measurement information for the trade item.	*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*
Trade Item Measurements Module	A module containing measurement information for the trade item.	*Trade_Item_Measurements_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*
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.	*Warranty_Information_Module.pdf*

5 Enumerations and Code Lists referenced in the DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals 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 DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context

Validation Rule Groupings	Link
Validations for All Product Contexts	*GDSN_Validation_Rules_All*
Validation Rules specific to the DP004 - Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals Context	*Rules By Context_CHPLFABPC.xlsx*

7   Appendices

8   Summary of Changes

Change	Report Version	Associated WR Number
Initial Draft	0.0.1	

Change	Report Version	Associated WR Number
Changes for Comment Resolution Community Review: • Added line numbering to doc • Updated all dates + upped version # • Updated all hyperlinks to point to the latest external files. • Removed the link to the context specific VRs as these are now in the general sheet. • Removed following bricks from the GPC inclusion list:	1.0.0	

87020100	Fuel Pumps
87020200	Fuel Storage
77010400	Automotive Appearance Chemicals
83012100	Sealants/Fillers/Adhesives

• Added following bricks to the GPC inclusion list:

83010400	Painting	10005657	Preservers/Preservatives
83010400	Painting	10002462	Special Purpose Paints
83010400	Painting	10005687	Trim Paints
83010400	Painting	10002466	Wood Finish/Treatments/Coatings
83010400	Painting	10003874	Household Paints/Primers
83010400	Painting	10005655	Paint Additives/Enhancers
83010400	Painting	10005706	Paint/Stain Strainers
83010400	Painting	10002501	Paint/Varnish Removers/Cleaners
83012100	Sealants/Fillers/Adhesives		
81011700	Lawn/Garden Animal Repellents/Deterrents		
77015100	Automotive Antifreeze		
77010400	Automotive Appearance Chemicals		
77010500	Automotive Performance Chemicals		
77010900	Automotive Transmission Fluid		
77014900	Automotive Window Washer Fluid		

• Added line 102, containing the exclusion list of GPC bricks.
• Added module "Alcohol Information Module"
• Added module "Allergen Information Module"
• Renamed module "Certification Module" to "Certification Information Module"
• Added module "Consumer Instructions Module"
• Renamed module "Controlled Substance Module" to "Controlled Substances Module"
• Renamed module " Data Carrier Information Module" to "Trade Item Data Carrier And Identification Module"
• Renamed module " Farming Processing Information Module" to " Farming And Processing Information Module"
• Renamed module " Hazardous Information Module " to "TransportationHazardousClassificationModule"
• Added module " Health Related Information Module "
• Added module " Health Wellness Packaging Marking Module "
• Renamed module " Physical Resource Usage Module" to " Physical Resource Usage Information Module"
• Renamed module " Sales Conditions Information Module" to " Sales Information Module"

Change	Report Version	Associated WR Number
Deleted Platform Module, Added Product Characteristics and Packaging Sustainability Module.	1.0.1	
• Updated formatting of the context report to the new GS1 Template. • Added section 3.2, Individual Bricks Excluded from this context • Fixed hyperlink validation rules. In section 6	3	
• Updated links, added 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 for the Validation Rules documents for 3.1.2	5	
• Updated hyperlink for GPC Mapping (section 3) from "GPC_Bricks_Belonging_To_GDSN_Context_CL_HYG_CHEM_i3p1p2" to "GPC_Bricks_Mapping_To_DP004_GPC_Bricks_Mapping_To_DP004_Cleaning_Hygiene_Prod_Lubric_Fuels_Automot_Build_Prod_Chem" • 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	