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

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Document Summary

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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

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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:

- 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

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



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																																																																				
<div>Changes for Comment Resolution Community Review:</div> <div><ul style="list-style-type: none">Added line numbering to docUpdated 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:</div> <div><table><tr><td>87020100</td><td>Fuel Pumps</td></tr><tr><td>87020200</td><td>Fuel Storage</td></tr><tr><td>77010400</td><td>Automotive Appearance Chemicals</td></tr><tr><td>83012100</td><td>Sealants/Fillers/Adhesives</td></tr></table></div> <div><ul style="list-style-type: none">Added following bricks to the GPC inclusion list:</div> <div><table><tr><td>83010400</td><td>Painting</td><td>10005657</td><td>Preservers/Preservatives</td></tr><tr><td>83010400</td><td>Painting</td><td>10002462</td><td>Special Purpose Paints</td></tr><tr><td>83010400</td><td>Painting</td><td>10005687</td><td>Trim Paints</td></tr><tr><td>83010400</td><td>Painting</td><td>10002466</td><td>Wood Finish/Treatments/Coatings</td></tr><tr><td>83010400</td><td>Painting</td><td>10003874</td><td>Household Paints/Primers</td></tr><tr><td>83010400</td><td>Painting</td><td>10005655</td><td>Paint Additives/Enhancers</td></tr><tr><td>83010400</td><td>Painting</td><td>10005706</td><td>Paint/Stain Strainers</td></tr><tr><td>83010400</td><td>Painting</td><td>10002501</td><td>Paint/Varnish Removers/Cleaners</td></tr><tr><td>83012100</td><td>Sealants/Fillers/Adhesives</td><td></td><td></td></tr><tr><td>81011700</td><td>Lawn/Garden Animal Repellents/Deterrents</td><td></td><td></td></tr><tr><td>77015100</td><td>Automotive Antifreeze</td><td></td><td></td></tr><tr><td>77010400</td><td>Automotive Appearance Chemicals</td><td></td><td></td></tr><tr><td>77010500</td><td>Automotive Performance Chemicals</td><td></td><td></td></tr><tr><td>77010900</td><td>Automotive Transmission Fluid</td><td></td><td></td></tr><tr><td>77014900</td><td>Automotive Window Washer Fluid</td><td></td><td></td></tr></table></div> <div><ul style="list-style-type: none">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"</div>	87020100	Fuel Pumps	87020200	Fuel Storage	77010400	Automotive Appearance Chemicals	83012100	Sealants/Fillers/Adhesives	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			1.0.0	
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Change	Report Version	Associated WR Number
Deleted Platform Module, Added Product Characteristics and Packaging Sustainability Module.	1.0.1	
<ul style="list-style-type: none">Updated formatting of the context report to the new GS1 Template.Added section 3.2, Individual Bricks Excluded from this contextFixed hyperlink validation rules. In section 6	3	
<ul style="list-style-type: none">Updated links, added Trade Item Licensing Module	4	
<ul style="list-style-type: none">Updated issue number from 4 to 5Updated Document date from May to July 2016Removed 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	
<ul style="list-style-type: none">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	