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| DP010 - Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products |
| - |
| Release , 7, |

Document Summary

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| --- | --- |
| Document Item | Current Value |
| Document Name |  |
| 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

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

* Building Products - Tools - Storage - Automotive - Arts, Crafts and Needlework

## 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 Building Products - Tools - Storage - Automotive - Arts, Crafts and NeedleworkContext.

## 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 | Building Products, Automotive, Hand Tools, Office and Arts Supply Products |
| Process | Distribute Product Information |
| System Capabilities | GDSN |
| Official Constraints | None |

# GPC Bricks included in the Context

| Link |
| --- |
| [GPC\_Bricks\_Mapping\_To\_DP010\_Building\_Products\_Automotive\_Tools\_Office\_and\_Arts\_Supply\_Products](GPC_Bricks_Mapping_To_DP010_i3p1p2p1_i3_January2017.xlsx) |

# Modules assigned to the Context

| Module Name | Description | Link |
| --- | --- | --- |
| Allergen Information Module | A module containing information on allergens for a trade item. | [Allergen\_Information\_Module.pdf](Modules/Allergen_Information_Module.pdf) |
| Battery Information Module | Battery information for a trade item. | [Battery\_Information\_Module.pdf](Modules/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](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 the containment of controlled substances. | [Controlled Substances Module.pdf](Modules/Controlled%20Substances%20Module.pdf) |
| Dangerous Substance Information Module | A module detailing 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) |
| Durable Goods Characteristics Module | A module containing attributes applicable to a broad range of durable goods. | [Durable\_Goods\_Characteristics\_Module.pdf](Modules/Durable_Goods_Characteristics_Module.pdf) |
| DutyFeeTax 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) |
| Electronic Device Characteristics Information Module | A module containing technical and other product characteristics for electronic items. | [Electronic\_Device\_Characteristics\_Information\_Module.pdf](Modules/Electronic_Device_Characteristics_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) |
| 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) |
| Marketing Information Module | A module containing information on a trade item meant to convey features and benefits and targeted customer. | [Marketing\_Information\_Module.pdf](Modules/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](Modules/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](Modules/NonGTIN_Logistics_Unit_Information_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 ability to send metrics on Packaging Sustainability. | [Packaging\_Sustainability\_Module.pdf](Modules/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](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) |
| Plumbing HVAC Pipe Information Module | A module containing plumbing and HVAC information for a trade item. | [Plumbing\_HVAC\_Pipe\_Information\_Module.pdf](Modules/Plumbing_HVAC_Pipe_Information_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 | Information on applicable government regulations a trade item is in compliance with. | [Regulated Trade Item Module.pdf](Modules/Regulated%20Trade%20Item%20Module.pdf) |
| Safety Data Sheet Module | A module containing information usually contained on a safety data sheet or on a material safety data sheet as it is referred to in some target markets. | [Safety\_Data\_Sheet\_Module.pdf](Modules/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](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) |
| Textile Material Module | A module expressing details on the composition of any materials used to make apparel, home furnishings and other similar items. | [Textile\_Material\_Module.pdf](Modules/Textile_Material_Module.pdf) |
| Trade Item Data Carrier And Identification Information Module | A means to represent data in a machine readable form; used to enable automatic reading of the element strings. | [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 Disposal Information Module | Information on the disposal of the trade item for the purposes of sustainability. | [Trade\_Item\_Disposal\_Information\_Module.pdf](Modules/Trade_Item_Disposal_Information_Module.pdf) |
| Trade Item Handling Module | Instruction 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 Licensing Module | A module containing licensing information for the trade item. | [Trade\_Item\_Licensing\_Module.pdf](Modules/Trade_Item_Licensing_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) |
| Transportation Hazardous Classification Module | A module containing information on hazardous information for a trade item. | [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) |
| 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](Modules/Warranty_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 | [Rules\_By\_Cntxt\_DYI\_Bld\_Tools\_Strge.xlsx](Validation%20Rules/Rules_By_Cntxt_DYI_Bld_Tools_Strge_R3p1p2_d1p0p0.xlsx) |

# Appendices

(Insert Content Here)

# Summary of Changes

|  |  |  |
| --- | --- | --- |
| Change | Report Version | Associated WR Number |
| Initial Draft | 0.0.1 |  |
| Comment resolution for Community Review:   * Added line numbers to document * Updated all hyperlinks to point to latest version of external documents * Removed link to VR specific to this context as this is now comprised in the global VR file. * Updated document version * Removed section of clases/bricks not to be included uin context in the GPC section * Added following classes bricks for inclusion in context:  |  |  |  |  | | --- | --- | --- | --- | | 74010200 | Camping Heating/Lighting Equipment |  |  | | 78050100 | Electronic Communication Components |  |  | | 81010800 | Lawn/Garden Cooking/Heating Appliances |  |  | | 10101700 | Pet Accessories | 10000660 | Pet Food/Drink Dispenser (Powered) | | 10101700 | Pet Accessories | 10000642 | Pet Food/Drink Dispensers (Non Powered) | | 91030400 | Home/Business Surveillance Equipment |  |  | | 91010100 | Personal Safety Devices | 10005381 | Wearable Wireless Webcams (Inverse Surveillance) | | 91040100 | Safety/Security/Surveillance Variety Packs | 10005418 | Safety/Security/Surveillance Variety Packs |  * Deleted following GPC classes from this context:  |  |  | | --- | --- | | 66010200 | Fixed Communication Devices | | 75030400 | Clocks | | 81010900 | Lawn/Garden Power Tools | | 81010400 | Lawn/Garden Watering Equipment | | 81011100 | Lawn/Garden Weather Monitoring/Observation | | 79010600 | Air Conditioning/Cooling/Ventilation Equipment | | 79010500 | Heating Equipment | | 82010400 | Power Tools – Hand-held Portable | | 82010100 | Power Tools – Lifting/Handling Equipment | | 82010300 | Power Tools – Stationary/Bench-top | | 82010200 | Power Tools Variety Packs | | 66010200 | Fixed Communication Devices |  * Added module " Audience Or Player Information Module" * Renamed module " Certification Module" to " Certification Information Module" * Renamed module " Chemical Regulation Module" to " Chemical Regulation Information Module" * Added " Consumer Instructions Module" * Added " Copyright Information Module" * Renamed " Data Carrier Information Module" to "Trade Item Data Carrier And Identification Module" * Renamed "Hazardous Information Module" to " TransportationHazardousClassificationModule * Added module " Health Wellness Packaging Marking Module" * Renamed " Sales Conditions Information Module" to " Sales Information Module"   Added " Trade Item Lifespan Module" | 1.0.0 |  |
| 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 Included in this context * Added following classes to the GPC section:   80000000, 80010000, Tools/Equipment – Hand, 80012600, Pneumatic Tools  80000000, 80010000, Tools/Equipment – Hand, 80012700, Gas Burners/Torches  81000000, 81010000, Lawn/Garden Supplies, 81011900, Lawn/Garden Tiles   * Fixed hyperlink validation rules. In section 6 * Removed in section 3 (GPC) class code 10101700 as this was wrongfully assigned. | 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 to the Validation Rules documents for 3.1.2 | 5 |  |
| * Updated hyperlink display in section 3 from “GPC\_Bricks\_Belonging\_To\_GDSN\_Context\_BP\_TLS\_STRG\_i3p1p2” to “GPC\_Bricks\_Mapping\_To\_DP010\_Building\_Products\_Automotive\_Tools\_Office\_and\_Arts\_Supply\_Products * Updated context name everywhere in document to be in line with Code Value assigned to this context.” | 6 |  |
| * Updated hyperlink for GPC mapping to the latest file for GDS Release 3.1.2.1. * Updated hyperlink for codelists document. * Removed obsolete Platform Information Module reference. | 7 |  |