Document Summary

<table>
<thead>
<tr>
<th>Document Item</th>
<th>Current Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document Name</td>
<td>Interim Global Data Model Navigator Quick Start Guide</td>
</tr>
<tr>
<td>Document Date</td>
<td>Jun 2021</td>
</tr>
<tr>
<td>Document Version</td>
<td>2.0</td>
</tr>
<tr>
<td>Document Issue</td>
<td>2.0</td>
</tr>
<tr>
<td>Document Status</td>
<td>Final</td>
</tr>
<tr>
<td>Document Description</td>
<td></td>
</tr>
</tbody>
</table>

Contributors

<table>
<thead>
<tr>
<th>Name</th>
<th>Organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark Van Eeghem</td>
<td>GS1 Global Office</td>
</tr>
</tbody>
</table>

Log of Changes

<table>
<thead>
<tr>
<th>Release</th>
<th>Date of Change</th>
<th>Changed By</th>
<th>Summary of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.4</td>
<td>17-Jun-2020</td>
<td>Mark Van Eeghem</td>
<td>Initial Draft</td>
</tr>
<tr>
<td>0.6</td>
<td>2-July-2020</td>
<td>Mark Van Eeghem</td>
<td>Updated search to include Attributes, Code Lists and Code Values</td>
</tr>
<tr>
<td>0.8</td>
<td>7-August-2020</td>
<td>Mark Van Eeghem</td>
<td>Updated document to reflect changes in forms and functionality</td>
</tr>
<tr>
<td>1.0</td>
<td>10-September-2020</td>
<td>Mark Van Eeghem</td>
<td>Final update of documentation to reflect status of functionality of GDM Interim Navigator as of version 1.0</td>
</tr>
<tr>
<td>2.0</td>
<td>3-June-2021</td>
<td>Mark Van Eeghem</td>
<td>Updated documentation for completely re-written application.</td>
</tr>
</tbody>
</table>

Disclaimer

GS1®, under its IP Policy, seeks to avoid uncertainty regarding intellectual property claims by requiring the participants in the Work Group that developed this Interim Global Data Model Navigator Quick Start Guide 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 OTHER WISE 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

## 1 Introduction

1.1 The Interim Global Data Model Navigator ("Interim Navigator") ........................................... 7
1.2 Interim Navigator Specific Functional Disclaimer ................................................................. 8
1.3 Purpose of this document ......................................................................................................... 8
1.4 BEFORE YOU START!.................................................................................................................. 8
  1.4.1 Using the Interim Navigator Requires use of MS Access 2010 or Later .............................. 8
  1.4.2 Security Warning on first run of the Interim Navigator ...................................................... 8
1.5 General Application Conventions .......................................................................................... 10
  1.5.1 Command Buttons .............................................................................................................. 10
  1.5.2 Images ............................................................................................................................... 10
  1.5.3 Record Navigation .............................................................................................................. 11

## 2 Quick Start Guide

2.1 Main Menu ............................................................................................................................... 12
  2.1.1 SEARCH ......................................................................................................................... 13
  2.1.2 COMPARE ..................................................................................................................... 14
  2.1.3 MAPPING ....................................................................................................................... 15
  2.1.4 GDSN ............................................................................................................................. 16
  2.1.5 SYSTEM ......................................................................................................................... 17
2.2 Quick Search (GDM) .............................................................................................................. 18
  2.2.1 Main Screen ..................................................................................................................... 18
  2.2.2 ATTRIBUTE TAB ........................................................................................................... 20
  2.2.3 CODE LISTS TAB ........................................................................................................... 20
  2.2.4 CODE VALUES TAB ...................................................................................................... 21
  2.2.5 AVPs TAB ....................................................................................................................... 21
  2.2.6 AVP CODE VALUES TAB ............................................................................................... 22
  2.2.7 EXTENDED ATTRIBUTES TAB .................................................................................... 22
  2.2.8 EXTENDED ATTRIBUTE CODE VALUES TAB ............................................................ 22
  2.2.9 VALIDATION RULES TAB ......................................................................................... 23
2.3 Attribute Detail Form .............................................................................................................. 23
  2.3.1 Introduction ..................................................................................................................... 23
  2.3.2 PROPERTIES Tab .......................................................................................................... 25
  2.3.3 CATEGORY/LAYER/GEO Tab ....................................................................................... 26
  2.3.4 VALIDATION RULES Tab ............................................................................................. 27
  2.3.5 CODE VALUES Tab ....................................................................................................... 28
  2.3.6 ATTRIBUTE GROUPING Tab ......................................................................................... 29
  2.3.7 DETAILED GUIDANCE Tab ......................................................................................... 30
  2.3.8 UML Tab ....................................................................................................................... 31
2.4 Code List Detail Form ............................................................................................................. 32
2.5 Code Value Detail Form .......................................................................................................... 34
  2.5.1 Properties ....................................................................................................................... 34
  2.5.2 Declared Geographical Use In GDM ............................................................................ 35
2.6 AVP (Attribute Value Pair) Detail Form ................................................................................. 36
2.7 Extended Attribute Detail Form .............................................................................................. 38
2.8 Validation Rule Detail Form .................................................................................................... 40
2.9 GDM By Category ................................................................................................................ 41
2.10 GDM Local Data Models ................................................................. 42
2.11 Global Core Attributes ................................................................. 45
2.12 Compare: GDM Models ................................................................. 46
  2.12.1 RESET MODEL ......................................................................... 47
  2.12.2 COMPARE ................................................................................. 47
  2.12.3 RESULT LIST .............................................................................. 47
  2.12.4 FILTERS POST COMPARISON .................................................... 48
2.13 GPC Brick Mapping ..................................................................... 49
  2.13.1 SEARCHING BY (SUB-) CATEGORY ........................................... 49
  2.13.2 SEARCHING BY GPC BRICK NUMBER OR BRICK DESCRIPTION .......................................................................................................................... 50
  2.13.3 RESET FORM ............................................................................. 50
  2.13.4 GPC Brick Details ...................................................................... 51
2.14 GPC Brick Detail .......................................................................... 52
2.15 GDM Regions & Countries ............................................................ 53
2.16 GDSN Attributes Not Assigned to A GDM Category ......................... 54
  2.16.1 Category .................................................................................... 55
  2.16.2 Module ...................................................................................... 55
2.17 Search By GDM Attribute Grouping ............................................... 56
2.18 Attribute List By Data Type ............................................................ 57
2.19 GDM Categories & Sub-Categories ............................................... 59
2.20 GDSN Quick Search ........................................................................ 60
  2.20.1 SEARCHING .............................................................................. 60
  2.20.2 EXPORT TO PDF ....................................................................... 61
  2.20.3 ATTRIBUTES Tab ..................................................................... 61
  2.20.4 CODE LISTS Tab ...................................................................... 61
  2.20.5 CODE VALUES Tab ................................................................... 62
  2.20.6 VALIDATION RULES Tab ............................................................ 62
  2.20.7 AVPs (Attribute Value Pairs) Tab ................................................ 63
  2.20.8 AVP (Attribute Value Pair) CODE VALUE Tab ............................... 63
  2.20.9 EXTENDED ATTRIBUTES Tab ..................................................... 63
  2.20.10 EXTENDED ATTRIBUTE CODE VALUES Tab ............................... 64
  2.20.11 CLASSES ................................................................................ 64
2.21 GDSN Attribute Detail Form ............................................................. 65
  2.21.1 PROPERTIES Tab ..................................................................... 65
  2.21.2 CODE VALUES Tab ................................................................... 66
  2.21.3 VALIDATION RULES Tab ............................................................ 67
  2.21.4 UML Tab ................................................................................... 67
  2.21.5 OTHER ATTRIBUTES IN THIS CLASS Tab .................................... 67
2.22 GDSN Code List Detail Form .......................................................... 69
  2.22.1 PROPERTIES ............................................................................. 69
  2.22.2 ATTRIBUTES USING CODE LIST .............................................. 69
  2.22.3 CODE VALUES .......................................................................... 69
  2.22.4 EXPORT TO PDF ...................................................................... 69
2.23 GDSN Validation Rules Detail Form ................................................ 70
2.24 GDSN AVP Detail Form ................................................................. 72
  2.24.1 MAIN INFORMATION ................................................................. 72
  2.24.2 META INFORMATION ................................................................. 73
  2.24.3 CODE VALUES .......................................................................... 73
  2.24.4 EXPORT .................................................................................... 73
2.25  GDSN Extended Attribute Details Form.................................................................74
  2.25.1  MAIN INFORMATION..................................................................................74
  2.25.2  APPLICABLE CODE VALUES .................................................................74
  2.25.3  EXPORT .....................................................................................................75
2.26  GDSN Class Details Form.....................................................................................76
  2.26.1  DETAIL .......................................................................................................76
  2.26.2  CLASS TREE TO ROOT OF MESSAGE .....................................................77
  2.26.3  UML ..........................................................................................................78
2.27  List Of GDSN Messages .......................................................................................79
2.28  GDSN Modules Form............................................................................................80
2.29  GDSN Modules by Context Form .........................................................................81
2.30  GDSN Context By Module Form .........................................................................82
2.31  GDSN Attribute List By Data Type Form ............................................................83
2.32  GDSN GPC Brick Mapping Form .......................................................................85
1 Introduction

1.1 The Interim Global Data Model Navigator ("Interim Navigator")

The Interim Global Data Model Navigator is a tool which has been created for use by anyone who is involved in the Global Data Model.

*It is a TEMPORARY tool, because it will be replaced in 2021 by the GS1 WebGDD.*

The main purpose of the Interim GDM Navigator is to allow the user to get a global view on the GDM. It links information from ADB (Attribute Definitions for Business) work to the list of attributes that were included in the current version of the GDM.

Attributes have been assigned to Categories (Food, Near-Food, Pet food, Alcoholic Beverages, Tobacco,...), and in certain cases to Sub-Categories (Dairy, Fresh Fruits, Grocery, Cleaners etc.).

It also links these attributes to technical properties that have not been defined in the Global Data Model, but rather in GDSN (Global Data Synchronisation Network) - a technological implementation of the GDM.

Further attributes have been linked to Validation rules currently being used in GDSN, as well as Code Lists and the Code Values associated with these.

Finally, this tool also contains the GPC Bricks that have been used to build the GDM Categories and Sub-Categories, and the mapping between these.

The tool is meant to search for information on attributes, categories, sub-categories, regions, countries, validation rules, code lists, code values and GPC Bricks.

It allows users to compare GDM Models using all this combined information.

It is important to note, that as this is an interim tool, there will be no further development on it in terms of functionality. Microsoft Access is not an enterprise grade solution, and we recognize that, but it may help you, the user, to bridge the gap between now and the time the GS1 WebGDD becomes available.

Any requirements for new functionality will be passed on to the GS1 Global Office WebGDD team for inclusion in their list of functional requirements.

Any bugs or errors you may find in this tool will be fixed, however.

Finally, this tool will be updated every time there is an update to one of its data components, and this until the time that the GS1 WebGDD becomes available.

We hope you enjoy the use of the Interim Global Data Model Navigator!
1.2 Interim Navigator Specific Functional Disclaimer

GS1 retains the right to make changes to the Interim Navigator at any time, without notice.

GS1 makes no warranty for the use to the tool and assumes no responsibility for any errors which may appear in the tool, nor does it make a commitment to update the information contained in the tool. GS1 does not commit to change functionality of the database.

As and when Local Layers are added to the Global Data Model, these Local Layers will be added to the tool. Anything marked as local at this point in time is not linked to individual countries.

1.3 Purpose of this document

This document is intended to help you, the user of the Interim Navigator, to quickly start using it and get an idea of what functionality it offers.

1.4 BEFORE YOU START!

1.4.1 Using the Interim Navigator Requires use of MS Access 2010 or Later

Use of the Interim Global Data Model Navigator requires the use of Microsoft Access, version 2010 or later.

If you do not have Microsoft Access installed on your machine, you will require either the full version of Microsoft Access, or a (free) runtime version of it, which can be downloaded using the link below:

Microsoft Access 2010 32 Bit runtime:

Microsoft Access 2010 64 Bit runtime:

If you are working on a Non-Windows machine, you will have to use either a Virtual Machine (for MacOs e.g. Parallels or VMWare) or for Linux distros something like Wine.

1.4.2 Security Warning on first run of the Interim Navigator

The Interim GDM Navigator is a Microsoft Access database, containing code. As such, by default, Access creates a security warning that it blocks active content, when running the database for the first time. (See screenshot below).
By closing the splashscreen (using the x at the top right hand side of the splashscreen), and then clicking on “enable content”, the application will run as designed.
1.5 General Application Conventions

1.5.1 Command Buttons

<table>
<thead>
<tr>
<th>Command Button</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLOSE</strong></td>
<td>Clicking on the CLOSE button closes the current form and returns you to the previous open form.</td>
</tr>
<tr>
<td><strong>Help</strong></td>
<td>Clicking on this button opens a popup form with context specific help.</td>
</tr>
<tr>
<td>![PDF Icon]</td>
<td>Export the current selection to PDF. If this button is enabled you can export your current selection (i.e. with any filters you may have applied). Clicking this button will open a window asking you for the name of the export file, as well as the location where you want to save the file. <strong>DO NOT ADD AN EXTENSION TO THE FILENAME.</strong> The system will do that for you.</td>
</tr>
<tr>
<td>![Excel Icon]</td>
<td>Export the current selection to Microsoft Excel. If this button is enabled you can export your current selection (i.e. with any filters you may have applied). Clicking this button will open a window asking you for the name of the export file, as well as the location where you want to save the file. <strong>DO NOT ADD AN EXTENSION TO THE FILENAME.</strong> The system will do that for you.</td>
</tr>
</tbody>
</table>

1.5.2 Images

Double clicking an image allows you to save the image to your local hard disk or to open the image in an external viewer to zoom it to the desired level.
1.5.3 Record Navigation

If not all records can be displayed on one screen, please use the record navigation at the bottom of the image to navigate between the records.
2 Quick Start Guide

2.1 Main Menu

This form is the switchboard to access all the functionality of the Interim Global Data Model Navigator.

Each button allows, upon clicking to access a form or functionality.

Closing this form closes the Interim Global Data Model Navigator tool.

The Main Menu has been divided into 5 blocks:

- Search
- Compare
- Mapping
- GDSN
- System
2.1.1 SEARCH

The block called **SEARCH** contains the main search functionality for the Global Data Model.

**QUICK SEARCH**

This form allows you to quickly search for individual Attributes, Code Lists, Code Values, AVPs (and Code Values), Extended Attributes (and Code Values) and Validation Rules that are part of the Global Data Model (GDM).

Allowed searches are either numeric or text. Each search you do is against all the types of data elements.

**GDM Model By Category**

This form displays the attributes that are part of the Category you select. It highlights the number of Global and Regional Attributes.

As the GDM now includes local layers, too, these are not included in this form due to the complexity.

If you wish to see Local Layers, please use the option **Local Data Models** in the Main Menu.
2.1.2 COMPARE

**GDM Models**
This form lets you perform a comparison between two data models, including local layers (where available).
2.1.3 MAPPING

**GPC Brick Mapping**
This form allows you to see the mapping of GPC Bricks to Global Data Model (GDM) Categories and, where applicable, to GDM Sub-Categories. You can search in two ways: - either by using the drop down boxes to select a full category or sub-category, - or by entering a search term for a specific brick.

**GDM Regions/Countries**
This form displays the list of all GDM Regions and the countries assigned to these.

**Unassigned Attributes**
This form lists all GDSN Attributes (not the technical ones, though) in the currently included GDSN Release that are not part of the GDM.
They are displayed with the GDSN Module they belong to, or Core Trade Item.
Filtering is allowed by either GDM Category and/or GDSN Module.

**Attribute Grouping**
This form lists the Attributes belonging to a GDM Attribute Grouping as defined in the GDM Attribute Implementation Guidance document.

**Attributes By Data Type**
This form lists all GDM attributes by Data Type. It also allows you to search and filter.

**GDM (Sub-) Categories**
This form lists all current GDM Categories with their Sub-Categories (if existing for the Category).
2.1.4 GDSN

This menu block gives access to the GDSN related functionality of the Interim GDM Navigator.

**Search**
This button gives access to a Quick Search across all GDSN Attributes, Code Lists, Code Values, AVPS, Extended Attributes, Validation Rules and Classes across all GDSN Messages.

**GDSN Messages**
This form lists all currently available GDSN Messages.

**GDSN Modules**
This form lists all currently available GDSN Modules and their URN.

**Modules By Context**
This form lists all Modules that are assigned to a GDSN Specific Context. Filtering by Context is available.

**Contexts By Module**
This form lists for every GDSN Module to which GDSN Context they have been assigned. Filtering by Module is available.

**Attributes By Data Type**
This form lists all GDSN attributes by Data Type. It also allows you to search and filter.

**GPC Brick Mapping**
This form allows you to see the mapping of GPC Bricks to GDSN Contexts. You can search in two ways: - either by using the drop down boxes to select a full context, - or by entering a search term for a specific brick.
2.1.5 SYSTEM

About
General information on what the Interim Global Data Model Navigator is and is not.

Version Info
This form provides information on the versions of information used in the Interim Global Data Model Navigator.

Disclaimer
Disclaimer on the use of the Interim Global Data Model Navigator.

View Error Log
This form shows any errors your Interim Navigator encountered. You can export these errors to Excel and then send to GS1 Global Office for bug fixing.

Show Navigation Pane
Clicking this button shows the standard MS Access navigation pane with access to all tables, queries, forms and reports. Please use with caution.

Hide Navigation Pane
Clicking this button hides the standard MS Access navigation pane with access to all tables, queries, forms and reports. Thie hidden state is default for this application.

Help
This form shows the help you are currently reading.
2.2 Quick Search (GDM)

2.2.1 Main Screen

This form allows you to quickly search for individual Attributes, Code Lists or Code Values that are part of the Global Data Model (GDM).

This form allows you to quickly search for Attributes, Code Lists, Code Values, Validation Rules, AVPs, AVP Code Values, Extended Attributes and Extended Attribute Code Values that are part of the Global Data Model (GDM).

When the form is loaded, all data elements that are part of the GDM, regardless what (Sub-) Category or Layer (Global, Regional, Local) they belong to.

The top part of the form shows in a grey box for each type of data element how many are included in GDM.

Browsing through the list is possible, as well as searching (see below).

You can switch data element type by clicking on the tab of the type of data element you wish to browse/see.

Clicking on a data element opens a new form containing all detail there is for the data element.

SEARCHING

The field in the header section called **search** allows you to enter a search term.

Accepted data is alpha numeric.

A search is always across all data element types, so you do not need to specify whether you are looking for e.g. an attribute or a validation rule.

You don’t have to enter the full name or BMSId, any literal part of it is enough.

**Example:** Entering "15" as search term, could return the BMSIds 156 1615 2315 1156.
**Example:** Entering "packaging" as search term would return any attribute where packaging is part of the GDM Business Name as well as part of any GDSN Technical Name.

There is no minimum number of characters required, but it is obvious that the more precise your search term is, the more precise the results will be.

Pressing of the button with the **magnifying glass** executes the search of what you entered. At any point you can perform a new search. Any new search is always against the full set of attributes in GDM, so "refining a search" is not possible.

If you wish to reset the search field, you can click on the icon **remove filter** next to the search box.

Once you have performed a search, the grey box at the top is updated with the results of your search, and in orange, underneath the search box, the term is displayed that you have entered for searching.
2.2.2 ATTRIBUTE TAB

- **BMSId**: a unique identifier for each attribute.
- **ADB Name**: a business friendly name for the attribute. (in *orange*)
- **GDSN Name**: the name of the attribute as used in GDSN. (in *dark grey*)
- **ADB Definition**: Business Friendly Definition of the attribute.
- **GDSN Definition: if no ADB Definition exists**: the definition of the attribute as used in GDSN. (in *dark grey*)

Clicking on any part of an attribute in the list opens the **Attribute Detail form**.

2.2.3 CODE LISTS TAB

- **BMS Code List Id**: A unique identifier of the Code List
- **Code List Name**: GDSN Name of the Code List.
- **Code List Definition**: Definition – if available – of the Code List.

Clicking on any part of a Code List in the list opens the **Code List Detail form**.
### 2.2.4 CODE VALUES TAB

<table>
<thead>
<tr>
<th>CODE VALUE</th>
<th>CODE NAME</th>
<th>CODE DEFINITION</th>
<th>RELATED IMAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPFAT_SILVER</td>
<td>EPFAT Silver</td>
<td>Electronic Product Environmental Assessment Tool Silver</td>
<td><img src="https://example.com/code-list.png" alt="Code List" /></td>
</tr>
<tr>
<td>EQUAL EXCHANGE</td>
<td>Equal Exchange Fairly Traded</td>
<td>Equal Exchange's mission is to build long-term trade partnerships that are economically just and environmentally sound, to foster mutually beneficial relationships between farmers and consumers</td>
<td><img src="https://example.com/code-list.png" alt="Code List" /></td>
</tr>
<tr>
<td>EQUALLITY</td>
<td>Equalitas Sustainable Wine</td>
<td>Certification: Sustainable Company/Sustainable product (on bottle). National, industry, Italy. Certifying companies, wines and regions. The Sustainability Consortium has grown! Knowledge as a minimum</td>
<td><img src="https://example.com/code-list.png" alt="Code List" /></td>
</tr>
</tbody>
</table>

- **Code Value**: the actual value used in the Code List.
- **Code Name**: a name assigned to the Code Value.
- **Code Definition**: definition of the Code Value.
- **Code List**: the name of the code List the Code Value belongs to.
- Any images related to the Code Value.

Clicking on any part of a Code Value in the list opens the **Code List Detail form**.

### 2.2.5 AVPs TAB

<table>
<thead>
<tr>
<th>AVP TYPE</th>
<th>UNIQUE ROW ID</th>
<th>AVP NAME</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simple</td>
<td>3</td>
<td>brandDistributionTradeItemType</td>
<td>Categorization of the trade item to help further delineate product type with distribution type and trade channel. For example: Bulk, Private label, Custom Label and Plain Label.</td>
</tr>
<tr>
<td>Simple</td>
<td>130</td>
<td>packageDateReasonType</td>
<td>To specify the reason the packaging date was applied to the packaging.</td>
</tr>
</tbody>
</table>

- **AVP Type**: Indicates whether the AVP is of type **Simple (string)** or type
- **Unique Row Id**: a unique identifier assigned to each AVP.
- **AVP Name**: name of the AVP.
- **Definition**: Definition of the AVP.

Clicking on any part of an AVP in the list opens the **AVP Detail form**.
2.2.6 AVP CODE VALUES TAB

<table>
<thead>
<tr>
<th>AVP</th>
<th>CODE VALUE</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>brandDistributionTradeItemType</td>
<td>BULK</td>
<td>Any product which has completed all production processing stage up to, but not including final packaging or shipped as mass product not to be sold individually to end consumer. Usually sold to re-packaging, institutional, cash and carry type trade channels.</td>
</tr>
<tr>
<td>brandDistributionTradeItemType</td>
<td>PLAIN_LABEL</td>
<td>A product that is produced strictly for a trading partner or a purchasing group. There is a distinction that the formula/design is owned by the ultimate recipient trading partner or purchasing group. This type of product is intended to be the lowest price in its range. It is also known in markets as White Label, No-Frills, Entry-Level, First Price, Lowest Price, etc.</td>
</tr>
<tr>
<td>brandDistributionTradeItemType</td>
<td>CUSTOM_LABEL</td>
<td>A product that is produced strictly for a trading partner or a purchasing group. There is a distinction that the formula/design is owned by the ultimate recipient trading partner or purchasing group. In foodservice this is a unique distinction from private label distribution. For example a salad dressing made for a large fast food restaurant (i.e. Burger King, Subway, etc).</td>
</tr>
</tbody>
</table>

- **AVP**: the name of the AVP this Code Value belongs to
- **Code Value**: the actual value used in the AVP Code List.
- **Definition**: definition of the Code Value.

Clicking on any part of an AVP Code Value in the list opens the AVP Detail form.

2.2.7 EXTENDED ATTRIBUTES TAB

<table>
<thead>
<tr>
<th>Local ID</th>
<th>Extended Attribute Name</th>
<th>Definition</th>
<th>Extended Attribute Set &amp; Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>J001</td>
<td>milkProducts</td>
<td>Characterisation (specification, differentiation) of the product on milk basis (for the German target market according to § 2 no. 7 Milk Ad).</td>
<td>GS1 Germany Local Layer 20.09-4 Germany</td>
</tr>
<tr>
<td>M180</td>
<td>consumerUsageCode</td>
<td>A code representation of the A.I.S.E. Safe use icon marked on the package. A.I.S.E. the International Association for Soaps, Detergents and Maintenance Products, has developed a set of safe use icons in order to increase and further develop their awareness for consumers on how to</td>
<td>GS1 Germany Local Layer 20.09-4 Germany</td>
</tr>
<tr>
<td>M400</td>
<td>itemFlagSample</td>
<td>Product characteristics of the cosmetic product, e.g. sample, tester, recency.</td>
<td>GS1 Germany Local Layer 20.09-4 Germany</td>
</tr>
</tbody>
</table>

- **Local Id**: a unique identifier assigned to the Extended Attribute by the entity maintaining the Extended Attribute Set.
- **Extended Attribute Name**: the name given to the Extended Attribute.
- **Definition**: Definition of the Extended Attribute.
- **Extended Attribute Set & Country**: Name of the set of Extended Attributes this attribute belongs to, as well as the maintaining Country.

Clicking on any part of an Extended Attribute in the list opens the Extended Attribute Detail form.

2.2.8 EXTENDED ATTRIBUTE CODE VALUES TAB

<table>
<thead>
<tr>
<th>CODE VALUE</th>
<th>DEFINITION</th>
<th>IMAGE</th>
<th>RELATED EXTENDED ATTRIBUTE INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1SE_1</td>
<td>Keep away from children.</td>
<td>![Image]</td>
<td>[Extended Attribute SetName: consumerUsageCode, Country: Germany, Local Layer: 20.09-4 Germany]</td>
</tr>
<tr>
<td>A1SE_2</td>
<td>Keep away from eyes. If product gets into eyes rinse thoroughly with water.</td>
<td>![Image]</td>
<td>[Extended Attribute SetName: consumerUsageCode, Country: Germany, Local Layer: 20.09-4 Germany]</td>
</tr>
<tr>
<td>A1SE_3</td>
<td>Rinse hands after use.</td>
<td>![Image]</td>
<td>[Extended Attribute SetName: consumerUsageCode, Country: Germany, Local Layer: 20.09-4 Germany]</td>
</tr>
</tbody>
</table>

- **Code Value**: The actual value to be passed on in the message.
- **Definition**: definition of the Code Value.
- **Image**: an image related to the Code Value.
• **Related Extended Attribute Information:** the name of the Extended Attribute using this Code Value, the name of the set this Code Value belongs to and the Country maintaining this Extended Attribute Code Value.

Clicking on any part of an Extended Attribute Code Value in the list opens the **Extended Attribute Detail form.**

### 2.2.9 VALIDATION RULES TAB

<table>
<thead>
<tr>
<th>VR ID</th>
<th>Rule Type</th>
<th>VR Sunrise</th>
<th>Structured Rule</th>
<th>Error Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global</td>
<td>BUSINESS</td>
<td>2.X</td>
<td>If specialItemCode does not equal &quot;DYNAMIC_ASSORTMENT&quot; and parent trade item netWeight and child trade item netWeight are used then parent netWeight shall be greater than or equal to the sum of netWeight multiplied by quantityOfNetWeightLevelTradeItem of each child item.</td>
<td>If net weight is populated on both parent and child items, then net weight of the parent shall be greater than or equal to the sum of the net weight of all the children except when special item code = &quot;DYNAMIC_ASSORTMENT.&quot;</td>
</tr>
<tr>
<td>98</td>
<td>BUSINESS</td>
<td>2.X</td>
<td>If grossWeight is not empty and netWeight is not empty then grossWeight must be greater than or equal to netWeight.</td>
<td>If grossWeight and netWeight are provided on the same record, grossWeight must be greater than or equal to netWeight.</td>
</tr>
</tbody>
</table>

- **VR ID:** A unique identifier assigned to the Validation rule in GDSN.
- **Rule Type:** Business or Technical
- **Structured Rule:** the actual validation rule as used in GDSN.
- **Error Message:** the structured Error Message for this Validation Rule.
- **Target Market Applicability:** Geographical application of the rule in GDSN.

Clicking on any part of a Validation Rule in the list opens the **Validation Rule Detail form.**

### 2.3 Attribute Detail Form

#### 2.3.1 Introduction
This form shows the detail of the GDM Attribute marked in orange at the top of the form. Whenever an attribute does not have a business friendly name, the GDSN Attribute Name associated to the BMSId is displayed.

As there is too much information to display on a single page, the detail for the Attribute is displayed on tabs:

1. Properties
2. Category / Layer / Geo
3. Validation Rules
4. Code Values
5. A tab - where applicable - with Attribute Grouping Information
6. A tab - where applicable with detailed attribute guidance.
7. UML

Clicking on a tab shows you the related information.

Please note that tabs 5 and 6 may not be visible if the attribute has not been assigned to an Attribute Grouping in the GDM Attribute Implementation Guidance.
2.3.2 PROPERTIES Tab

The left hand side of this tab contains the **GDM Business Information** for this attribute:

- the GDM Business friendly definition for the attribute
- an example of what the content of that attribute can be
- a usage statement, containing the purpose of the attribute
- GDM Attribute Grouping (where applicable)
- Business Usage Notes for the attribute (where applicable)

The right hand side of the tab contains the **GDSN Technical Information** for the attribute:

The GDSN name of the attribute, what datatype it has, how long the attribute can be, whether a code list is required, whether the attribute is language/unit of measure/currency enabled, whether multiple languages are allowed in GDSN etc.

The GDSN information also includes the xPath for the attribute, as well as any related GDSN Technical Attributes (e.g. measurementUnitCode or languageCode), if applicable.
2.3.3 CATEGORY/LAYER/GEO Tab

This tab deals with the GDM Categorization of the Attribute. It contains a list showing for each (Sub-) Category of the GDM where this Attribute is being used:

- The name of the GDM category
- The name of the GDM category (where available)
- The Layer where you can find the attribute (Global, Regional, Local)
- The Status of the Attribute: Mandatory, Conditional or Optional
- If the Layer is Regional, the Region for which this applies
- If the Layer is Local, the Country using the attribute
- If an attribute is Conditional in use, there is also a column with the detail of the applicability.

Clicking on the binoculars next to Regions and Countries in the orange header opens a new form containing the list of all GDM Regions and the Countries assigned to these GDM Regions.
2.3.4 VALIDATION RULES Tab

This tab shows all Validation rules for which the attribute is either a prerequisite for, or by which it is impacted. Clicking on the structured rule opens another form, showing the details of the Validation Rule.
2.3.5 CODE VALUES Tab

This tab shows the code values that apply to this attribute. If no code values are shown, it means that the datatype of this attribute does not require a code list.

The first column contains the GDM/GDSN indicator. If the value is GDSN, it means that no GDM use of the code value has been reported by GS1 Mos, but the value itself is valid for use inside GDM.

If the value is GDM, it means that at least one GS1 MO has reported that the code value is being used in their country.

Clicking on a code value opens a detail form for the code value, including the geographical use.
### 2.3.6 ATTRIBUTE GROUPING Tab

<table>
<thead>
<tr>
<th>Properties</th>
<th>Category/Layer/Geo</th>
<th>Validation Rules</th>
<th>Code Values</th>
<th>Hierarchy</th>
<th>Detailed Guidance</th>
<th>UML</th>
</tr>
</thead>
</table>

**Trade Item Hierarchy**

A trade item hierarchy consists of multiple GTINs linked together to represent a product's packaging hierarchy levels. Each level of the hierarchy is assigned a unique GTIN, and represents that specific unit, pack, case, or pallet.

The objective in this section is to understand how to set up trade items with different hierarchies — a simple hierarchy, a complex hierarchy, a hierarchy containing a variety of packs and a hierarchy containing a display unit.

Important: GTINs depicted in the examples in this section are represented generically (e.g., GTIN A, GTIN B, etc.). The specifics of GTIN management and options are out of scope for the Attribute Implementation Guide.

For more information on the GS1 GTIN Management Standard, please refer to [www.gs1.org/gtimens].

This tab gets the name of the attribute grouping the attribute belongs to.

If the attribute has not been assigned to an Attribute Grouping, this tab is not visible.

If it is visible, it gets the name of the Attribute Grouping, e.g. Hierarchy, Identifiers, Contact Information, Descriptions,...

*The content of this tab is the introduction section of the Attribute Grouping in the GDM Attribute Implementation Guide.*
2.3.7 **DETAILED GUIDANCE Tab**

If the attribute has not been assigned to an Attribute Grouping, this tab is not visible.

If it is visible, it contains the detail sections for the associated Attribute Grouping in the GDM Attribute Implementation Guide.
2.3.8 UML Tab

This tab contains images of the UML Class Diagram of the GDSN module this attribute belongs to, or in case the attribute is part of Core trade Item, a UML image of Core Trade Item Class diagram.
2.4 Code List Detail Form

This form shows the detail of the selected code list. The top part of the screen shows the main technical properties:

- **Domain**: Is the Code List part of Shared Common or part of GDSN proper?
- **Name**
- **Definition**
- **URN**: Identifier used for lookup in the GDD
- **Link**: If the code List is not maintained by GS1, but by an external agency, you will find here the hyperlink to the Code List and Code Values as maintained by the External Agency.

The middle part of the form contains the list of the GDM attributes that use the code List. Clicking on an attribute here opens a new form containing the detail of the selected attribute.
The bottom part of the form shows the Code Values that belong to this Code List. Clicking on any part of a Code Value opens the Code Value Detail screen.
### 2.5 Code Value Detail Form

This form provides detailed information for the selected code value.

#### 2.5.1 Properties

This section shows you to what Code List the Code Value belongs, the Code Value, Code Name and Definition.

If there are any images related to this Code Value, they are shown here.
2.5.2 Declared Geographical Use In GDM

This section contains information on whether GS1 Member Organisations know that the specific Code Value is being used in their Country Of Sale by trading partners.

The list you see here just indicates that there is known use of the Code Value. If you see no information here, it does not mean that the Code Value is invalid.

**REGIONAL**

The bottom left part of the form contains the Category combined with a GDM Region. Any region you see here, indicates that there is Regional proven use of this Code Value in GDM.

**COUNTRY**

The bottom left part of the form contains the Category with Country indication. Any country you see here, shows there is proven use of this Code Value in the mentioned Country for GDM.

**FILTERS**

Above the Country lists, you can find two filters, designed to help you find more targeted information for GDM Country use of the Code Value.

Use the dropdown boxes to find exactly the GDM Category or country you are looking for.

Once you have selected a Category/Country, the list below is automatically filtered in line.

After selecting a Category/Country, a Remove Filter icon appears. Clicking on this icon removes the selected filter, and the list below is automatically updated to reflect this change.
2.6 AVP (Attribute Value Pair) Detail Form

This form shows the details of the selected AVP. All information on this form is sourced from GDSN.

The name of the AVP is in bold and orange in the header of the form.

The left-hand side of the form contains the GDSN Technical Information for the AVP:

- **Definition**
- **Example**
- **Rationale:** for having this AVP.
- **AVP Type** is either SIMPLE or COMPLEX. Simple is used when the data type does not contain any sub-attributes. Complex is when the AVP data type requires a secondary data type, e.g. A Language Code or Unit of Measure.
- **Data Type** is the data type assigned to the AVP. This can be any valid data type as used in GDSN.
- **Multiplicity** shows the repeatability of the AVP. If the value here ends in 1, the AVP cannot be repeated, if it is *, the AVP can be repeated, for value or for language/unit of measure. Between curly brackets ("{}") are the minimum and maximum length of the value you will put in the AVP.
- **Multiple Language/Unit Of Measurement/Currency** depends on the value in Multiplicity. If that value is * and this field is checked, you can repeat the AVP for language etc.
- **Multiple Values Allowed** depends on the value in Multiplicity. If that value is * and this field is checked, you can repeat the AVP for value.
- **Level of Item Hierarchy Affected:** shows which level of the hierarchy is affected by this AVP. E.g. EACH
- **Global/Local**
- **Guidance (1 &2)**
- **Business Rule Rationale**
- **Validation Rules**
The right-hand side of the form contains:

- **Sunrise**
- **Sunset**
- **Module/Class to insert AVP into:** tells you where the AVP needs to be inserted in the GDSN XML. *E.g. Core Trade Item.*

**GDM APPLICABILITY**

This section of the form list for each applicable Category what Country is using the AVP and for what GDM Category/Sub-Category.

**CODE VALUES**

If the AVP requires code values, you can find these in the bottom right in the box labeled "Code Values".
2.7 Extended Attribute Detail Form

This form displays the details for the selected Extended Attribute.

The name of the Extended Attribute is in bold and orange in the header of the form. Underneath you can find the Local Id, a unique identifier assigned by the MO managing the Extended Attribute (if available).

The left-hand side of the form contains the GDSN Technical Information for the AVP:

- **Definition**
- **Example**
- **Rationale**: for having this Extended Attribute.
- **Data Type** is the data type assigned to the Extended Attribute. This can be any valid data type as used in GDSN.
- **Length & Facets**
- **Cardinality** shows the repeatability of the Extended Attribute. If the value here ends in 1, the Extended Attribute cannot be repeated, if it is *, the Extended Attribute can be repeated, for value or for language/unit of measure.
- **Level of Item Hierarchy Affected**: shows which level of the hierarchy is affected by this Extended Attribute. *E.g. EACH*
- **Business Rule Rationale**
- **Validation Rules**

The right-hand side of the form contains:

- **Add/Change Date** of the extended attribute in the local set.
- **Set ID & Name**: an identifier and the name of the set of Extended Attributes containing the selected Extended Attribute.
GDM APPLICABILITY
This section of the form list for each applicable GDM (Sub-) Category what Country is using the Extended Attribute.

APPLICABLE CODE VALUES
If the Extended Attribute requires code values, they are listed here.

INSERTION POINT FOR EXTENDED ATTRIBUTE
The bottom of the form contains the xPath and BMSID + Attribute Name of where this Extended Attribute is inserted. The left-hand side is where the Extended Attribute Name is inserted. The right-hand side is for the Extended Attribute Value.
2.8 Validation Rule Detail Form

This form provides the details of the Validation Rule with the Identifier marked in orange at the top of the screen. The information is sourced from GDSN.

The detail consists of:

- **Structured Rule**: The structured rule is the validation rule itself.
- **Error Message**: The error message is the GDSN error message.
- **GDSN Target Market Scope**: The GDSN Target Market Scope shows to which target market this rule applies. This could be e.g. Global, Global excluding a number of countries, a number of countries or a single country. Where GDSN uses Target Market, this translates to the GDM concept of "Country Of Sale".
- **Example of Data that will Pass**: If available in GDSN, we also show examples of data that passes when this rule is applied.
- **Example of Data that will Fail**: If available in GDSN, we also show examples of data that fails when this rule is applied.
- **Attributes related to this Validation Rule**: all GDM attributes that are either a prerequisite for this rule or are impacted by it.

**META INFORMATION**

Additional information related to this Validation rule is shown where available form GDSN:

- **Add Date**: date the VR was added to GDSN
- **Message Name**: the GDSN Message(s) the VR applies to.
- **VR Type**: Business or Technical. GDsn VRs are technical only when they restrict the use of an attribute related to multiplicity of data types Measurement, Description, Amount.
- **VR Sunrise**: The GDSN release since when this VR is being applied.
- **VR Version**: Iteration of this VR.
2.9 GDM By Category

This form allows you to see the Global Data Model for a Specific Category.

**CATEGORY**

Upon load of the form, you have a dropdown box where you can choose the GDM Model for a specific GDM category. Once you have made your choice, the system shows you the attributes from the **Global** and **Regional** Layer that have been assigned to the chosen category.

**SUB-CATEGORY**

If the Category you have chosen has sub-categories, the system shows per attribute the Sub-Categories and Regions the attribute is used in.

**INFORMATION SHOWN**

The list you see as result has for each attribute the following information:

- BMSId
- ADB Name
- GDSN Name
- ADB Definition, and where not available, as a fallback the GDSN Definition is shown.

Clicking on the BMSId, Attribute Name, Definition or Layer opens the detail screen for the chosen attribute.
### 2.10 GDM Local Data Models

This form is meant for seeing Local Data Models that have been submitted to GDM.

When looking at Global Data Model Local Layers, please take into account that Local Layers in this tool are provided with the caveat that the user shall look at the status of the Local Layer.

Local Layers that have not been ratified in GSMP are included with a status of "For Reference Only": they are considered for visibility reasons only and NOT as a GS1 Standard.

Once a Local Layer has been ratified in GSMP its status becomes "Ratified in GSMP", which equals the weight of a GS1 Standard.

**Inclusion of a Local Layer in the Interim GDM Navigator DOES NOT MEAN THE LOCAL LAYER IS IN PRODUCTION!**

**Production status is decided ONLY by the MO that submitted the Local Layer.**

You can verify the status of any given Local Layer by going to the Main Menu of the Interim Navigator and clicking on the Version button. The form that opens contains all detailed information about the status of all local layers included in the Interim Navigator.

At the top of the form are 3 dropdown boxes that allow you to specify which local data model you are going to see the attributes for:

- Country
- Category
- Sub-Category (upon loading the form, this dropdown is disabled by default)
Not all Mos have submitted local models including specific information for the sub-categories of the GDM Categories Food and/or Near-Food. In this case, the system will show a warning that sub-category information is not available for the selected country.

As soon as you have selected a Country from the list (only Countries that have submitted a local model are in the list) and a Category (if no sub-categories exist), the bottom part of the screen will show in 3 tabs:

- the attributes used in the local model
- the AVPs used in the local model
- the extended attributes used in the local model

**ATTRIBUTES**

The tab with Attributes used in the local model contains all Global attributes, the Regional attributes for the Region the country you selected belongs to, and all local attributes used in the country.

The top of this tab contains 2 filter sets: one for layer selection, one for status selection. The choice you make is shown on the fly.

Please note that both filters are combined for showing the results.

**AVPs**

The tab with AVPs is always visible, but will only show results if the Local Layer contains an AVP for the Country selected. The information displayed contains the unique identifier for the AVP, the AVP name and its definition.

There is no click-through to AVP detail here. Please use the quick search functionality to get it.
Extended Attributes

The tab with Extended Attributes is always visible, but will only show results if the Local Layer contains an Extended Attribute for the Country selected. The information displayed contains:

- **ExtAttId**: A unique identifier for the Extended Attribute.
- **Local Id**: If the MO has assigned a Local Id to this Extended Attribute it is shown here.
- **Attribute Name and Definition**
- **Extended Attribute Set Name**: The name of the set of Extended Attributes
- **Data Type**
- **Repeatability**
- **Length**

There is no click-through to the detail of the Extended Attribute. Please use the Quick Search functionality to access it.
2.11 Global Core Attributes

This form shows you the list of all Attributes in the Global Data Model that are:

- used at "GLOBAL" Layer level
- for all Global Data Model Categories
- for all Global Data Model Sub-Categories
- in all Global Data Model Regions

The Global Data Model Categories with their Sub-Categories can be found in the Main Menu under "GDM Categories".

The Global Data Model Regions can be found in the Main Menu under "GDM Regions/Countries"

Clicking on any of the attributes opens the detail form with all details on the Attribute selected.
2.12 Compare: GDM Models

This form performs a comparison between 2 GDM Models.

In order to be able to compare 2 models, you need to set the parameters for both models:

- **Category:** One of the official categories of the Global Data Model (GDM), e.g. Food, Near Food, Pet Food, ...
- **Sub-Category:** Some GDM categories have sub-categories (Food & Near Food), the others do not have them.
- **Region:** The 3 regions currently defined in GDM are North America, Australia/New Zealand and Europe.
- **Country:** The countries belonging to a GDM Region. This list of countries is not the official geographical list.

Not all combinations of parameters get meaningful results when comparing. The Interim Navigator currently has data in the models for Category with Sub-Category, Category with Region or Category with Country.

Local layers have been included as of version 2.0, but please refer to the "Version" screen from the main menu to see which ones are available and what their status is.

Please **fill out parameters for both Model 1 and Model 2**. Once enough parameters for both Models are entered, the **Compare button** is enabled. **At a minimum you are expected to provide a Category and Region for both Models.**

As you select a Country, the system will tell you whether a Local Layer is currently available for the given Country. Also, as not all GS1 Mos have submitted sub-category information for Food and/or Near Food, it is possible the system will alert you to this fact when selecting a Country. In certain cases, if only the Local Layer for a Category exists for a Country, you will be notified by the system.

---

**WARNING!**

Model 1: Germany has no Local Layer for this Sub-Category, only Global & Regional Layer will be used. Local Layer exists at the Category level.

Model 2: Colombia has no Local Layer for this Sub-Category, only Global Layer will be used. This Country does have a Local Layer at the Category level.

Model 2: Region ‘Not Assigned to Region’ has no REGIONAL Layer for this Sub-Category.
Please note that you can only enter values from the dropdown list for any given parameter.

### 2.12.1 RESET MODEL

<table>
<thead>
<tr>
<th>Model 1</th>
<th>Model 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Category:</strong> *</td>
<td><strong>Category:</strong> *</td>
</tr>
<tr>
<td>Food</td>
<td>Food</td>
</tr>
<tr>
<td><strong>Sub-Category:</strong></td>
<td><strong>Sub-Category:</strong></td>
</tr>
<tr>
<td>Fresh Meat</td>
<td>Fresh Meat</td>
</tr>
<tr>
<td><strong>Region:</strong> *</td>
<td><strong>Region:</strong> *</td>
</tr>
<tr>
<td>Europe</td>
<td>Not Assigned to Region</td>
</tr>
<tr>
<td><strong>Country:</strong> *</td>
<td><strong>Country:</strong> *</td>
</tr>
<tr>
<td>Germany</td>
<td>Colombia</td>
</tr>
</tbody>
</table>

If you want to start anew in selecting parameters for a model, you can click on the "**Reset Model**" button, underneath the parameters.

### 2.12.2 COMPARE

Clicking on the **COMPARE** button results in a list of attributes for the 2 models you selected. The result is visible on the tab **Attributes** which becomes visible upon clicking the Compare button.

### 2.12.3 RESULT LIST

![Screenshot of the result list](explained)
The list of attributes contains all GDM attributes that are either in 1 of the 2 selected models, or both.

The tab "Attributes" contains the following information:

- The selection criteria you used for both models.
- A Filter by Model
- A Filter by Layer
- A Filter by Status
- The total number of attributes resulting from your comparison
- The number of Attributes resulting from your filter (if any is applied)
- For each Attribute:
  - BMSId
  - ADB Name (if available, otherwise "N/A" is shown)
  - GDSN Name
  - ADB Definition (if available, otherwise the GDSN Definition is shown)
  - For both models, when the attribute is used: (sub-) Category, Layer, Status (M/C/O), Conditional Keyword and Detailed Condition Reason.

The results stay available, even if you switch back to the Parameter tab and make changes to the models, until you hit the compare button. At that point the Attribute tab shows the result for your new comparison.

### 2.12.4 FILTERS POST COMPARISON

The system allows you to filter the resulting Attribute Set by Model, Layer and Status.

In each case, the combination of the three filters is taken into account when displaying results.

This means that e.g. when you select Model 1, Global, Mandatory as filter, the results will only show attributes used in Model 1, that are at the Global Layer and that are Mandatory.

Selecting "Any" as filter equals removing the filter for the given selection.
2.13 GPC Brick Mapping

This form shows you the mapping of GPC Bricks to Global Data Model (GDM) Categories and, where applicable, to GDM Sub-Categories.

Upon load, the form displays all bricks for all GDM (Sub-) Categories.

You can search in two ways:

- Either by using the drop down boxes to select a full category or sub-category,
- Or by entering a search term for a specific brick.

2.13.1 SEARCHING BY (SUB-) CATEGORY

You can choose any of the categories in the list. If the category contains sub-categories e.g. Food and Near food, the dropdown for Sub-Category is enabled.

You can either choose a sub-category, to return only the GPC Bricks assigned to the sub-category, or you can leave the sub-category blank to stay at the Category level, which displays all GPC Bricks for all Sub-Categories.

If a category does not have sub-categories, the dropdown is disabled. (Eg. For Pet food, Alcoholic Beverages, Tobacco)

The filter is automatically applied upon choosing a (Sub-) Category. At the top left, in orange, you see the number of bricks that are in the filtered set.
2.13.2 SEARCHING BY GPC BRICK NUMBER OR BRICK DESCRIPTION

In the text box next to the SEARCH button, you can enter a search term. This search term can be:

- a GPC Brick number or part of it
- a GPC Brick description or part of it

You don't have to enter the full GPC Brick Number or GPC Brick Description, any part of it is enough.

*E.g. entering "15" as search term, could return the GPC Brick with ID 10000156, 10151001, 15001234.*

*E.g. entering "Yogurt" as search term, returns all GPC Bricks having "yogurt" in the Brick Description.*

There is no minimum number of characters required, but it is obvious that the more precise your search term is, the more precise the results will be.

Clicking the **Magnifying Glass** next to the Search box is required to retrieve the results. Any additional search you perform is against the current set of records. ("Refining Search")

The text in **orange** underneath the GDM logo shows the number of Bricks returned by your search, as well as what the search term(s) was (were) that you have used to get these results.

If the system returns 0 Bricks for your search, you need to reset the form to get back to the initial set of GPC Bricks. (See: **RESET FORM** below)

2.13.3 RESET FORM

Every search results in a filter being applied to the total number of GPC Bricks returned. If you want to remove the filter and scroll through the full set of GPC Bricks again, you can press on the button **Reset Filter**, which is next to the (Sub-) Category and Search boxes.

This results in the filter set by the corresponding dropdown or text Search being removed. It is not necessary to press **Reset Filter** before refining a previous search.
2.13.4 GPC Brick Details

The bottom half of the screen shows the GPC Brick Numbers, the GPC Brick Description and the GDM (Sub-) Category assigned to the bricks. Clicking on any part of the record opens a new form: the details for the clicked GPC Brick Number.

<table>
<thead>
<tr>
<th>Category</th>
<th>Sub-Category</th>
<th>GPC Brick</th>
<th>GPC Brick Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000277</td>
<td>Yogurt (Frozen)</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000278</td>
<td>Yogurt (Perishable)</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000279</td>
<td>Yogurt (Shelf Stable)</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000667</td>
<td>Milk/Butter/Cream/Yogurts/Cheese/Egg</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000978</td>
<td>Yogurt Substitutes (Frozen)</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000979</td>
<td>Yogurt Substitutes (Perishable)</td>
</tr>
<tr>
<td>Food</td>
<td>Dairy, Refrigerated &amp; Frozen</td>
<td>10000980</td>
<td>Yogurt Substitutes (Shelf Stable)</td>
</tr>
</tbody>
</table>
### 2.14 GPC Brick Detail

The GPC Brick Detail form shows the detail of the selected GPC Brick.

The top part of the form contains the Segment, Family and Class the GPC Brick belongs to.

Underneath this box, in **orange** is the Name of the GDM (Sub-) Category this GPC Brick has been mapped to.

The bottom part of the form contains at the left hand side the full list of GPC Attributes assigned to the selected GPC Brick.

Clicking on any of the GPC Attributes shows at the bottom right the list of GPC Code Values that apply to the selected GPC Attribute.
2.15 GDM Regions & Countries

This form shows the GDM defined Regions and the countries assigned to these regions.

When this form loads, you get at the left hand side a list of all currently available GDM Regions, and underneath, a list of all countries that are currently using GDM, but do not have a GDM Region assigned to them.

Clicking on the row with a GDM region shows the list of the countries assigned to it on the right hand side of the form.

Information provided for each country:

- ISO 3166-3 code (As used in GDSN)
- The official name of the country as used in ISO 3166.

Clicking on another region on the left hand side will change the displayed countries to the ones that apply for your newly selected region.
2.16 GDSN Attributes Not Assigned to A GDM Category

This form shows all GDSN attributes from Core Trade Item or GDSN Modules that are currently not assigned to a GDM Category.

The GDSN attributes taken into account exclude the following attributes:

- Technical Attributes (Sub-Attributes of an attribute, e.g. LanguageCode, MeasurementUnitCode, etc.)
- SBDH attributes (SBDH = Standard Business Document Header, the envelope of the CIN Message in GDSN.)
- Attributes not part of the GDSN Catalogue Item Notification Message

The attributes shown are all sourced from the current GDSN version included in the Interim Navigator. Check the version in the main menu, by clicking on the command button "Version Info".

In order to stay in line with GDSN, the GDM Category bricks have been mapped to the corresponding GDSN Contexts. All GDSN Contexts have a mapping to the GDSN Modules as to which modules can be used for what context.

Only the attributes of the modules assigned to the corresponding GDSN Context are displayed.

Upon opening the form, the full list of all GDSN attributes - using the criteria above - not belonging to a GDM category are listed in 2 tabs:

- Modules
- Core Trade Item

For each attribute, the BMSId, GDSN Name, GDSN Sunrise, Parent Class and Definition are displayed.

Clicking on any of these fields opens a new form containing the full GDSN detail of the attribute.
Clicking on the tabs switches the view from Module attributes to Core Trade Item attributes.

### 2.16.1 Category

To get the correct list of attributes for the Category you want, please select a GDM Category from the dropdown list.

The resulting list of attributes is automatically updated in the tabs. (you can see the number of attributes at the bottom of the screen).

After having selected a Category, the dropdown list with all modules is updated to reflect the modules that can be used for the GDM Category. As this list is different by Category, any choice you have made for Module is wiped, and the Module field is emptied.

Also, an icon to remove this filter is displayed. Clicking on this remove filter icon removes any filter on this form.

### 2.16.2 Module

To get the correct list of attributes for the Module you want, please select one from the dropdown list.

The resulting list of attributes is automatically updated in the tabs. (you can see the number of attributes at the bottom of the screen).

If you had selected a Category, the result list of attributes is for the GDM Category chosen AND the Module chosen.

If you had not selected a category, you will just see the attributes belonging to the module, regardless of whether the Module is applicable to a GDM Category or not.

An icon to remove this filter is displayed. Clicking on this remove filter icon removes the Module filter on this form.
2.17 Search By GDM Attribute Grouping

The purpose of the GDM Attribute Implementation Guide is to provide clarity and practical business advice regarding the use of the GDM attributes and, in some cases, instruction on managing the interaction of multiple attributes.

This form allows you to search for Attributes in the GDM, based on the Attribute Groupings that were created.

The left handside of the form has the list of Attribute Groupings, the right hand side the Attributes belonging to that grouping.

When the form is loaded, you just see the list of Attribute Groupings.

Clicking on any of the groupings results in a list of GDM attributes on the right hand side of the form that belong to this grouping. (BMSId, ADB Name and GDSN Name)

Clicking on any of the attributes in the list opens the detail form for the GDM attribute.

The Attribute Grouping information has been sourced from the GS1 Global Data Model Attribute Implementation Guide, which can be accessed from this link: [https://www.gs1.org/standards/gs1-global-data-model-attribute-implementation-guide/current-standard](https://www.gs1.org/standards/gs1-global-data-model-attribute-implementation-guide/current-standard)
### 2.18 Attribute List By Data Type

This form clusters the GDM Attributes by Data Type.

The header of the form shows a filter list with the possible choices:

- **Descriptions**
- **Measurements**
- **Code Lists**
- **Enumerations**
- **Other Data Types**
- **Specific Data Types**

Selecting *Specific Data Type* enables the drop down list next to it. Here you can search for any specific data type that is available in GDM.
Selecting a value from the list automatically shows the sub form with the GDM attributes matching the selection you made.

The sub-form shows the following information for each GDM attribute in the selection:

- **BMSId**
- **ADB Name *(if available)*
- **ADB Definition *(if available)*
- **GDSN Name**
- **GDSN Definition *(only if ADB Definition is not available)*
- **Data Type**

Clicking on any part of a record opens a new form containing the full attribute detail.
### 2.19 GDM Categories & Sub-Categories

This form shows you the current list of GDM Categories and Sub Categories.
The list of Sub-Categories (on the right) also contains the name of the Parent Category.
If you want to know whether a product belongs to one of these categories, or sub-categories, please return to the Main Menu and click on the button "GPC Brick Mapping" under the orange header MAPPING.

<table>
<thead>
<tr>
<th>GDM CATEGORIES</th>
<th>GDM SUB-CATEGORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food</td>
<td>PARENT CATEGORY</td>
</tr>
<tr>
<td>Near Food</td>
<td>Food</td>
</tr>
<tr>
<td>Pet Food</td>
<td>Food</td>
</tr>
<tr>
<td>Alcoholic Beverages</td>
<td>Food</td>
</tr>
<tr>
<td>Tobacco</td>
<td>Food</td>
</tr>
<tr>
<td></td>
<td>Food</td>
</tr>
<tr>
<td></td>
<td>Near Food</td>
</tr>
<tr>
<td></td>
<td>Near Food</td>
</tr>
<tr>
<td></td>
<td>Near Food</td>
</tr>
<tr>
<td></td>
<td>Near Food</td>
</tr>
</tbody>
</table>
2.20 GDSN Quick Search

This form is meant to search the currently loaded version of GDSN data elements. The principle is the same as for searching the Global Data Model. Upon load, the form shows in the header all different types of data elements (+ Validation Rules) used in GDSN with the number of these elements available in the GDSN Standard. The bottom part of the screen consists of tabs, one tab for each type of data element:

- Attributes
- Code Lists
- Code Value
- Validation Rules
- AVPs
- AVP Code Values
- Extended Attributes
- Extended Attribute Code Values
- Classes

2.20.1 SEARCHING

The field in the header section next to **SEARCH** is where you can enter a search string. The search string can be alpha numeric.

*You don't have to enter the full name or BMSId, any part of it is enough. E.g. entering "15" as search term, could return the BMSIds 156 1615 2315 1156. E.g. entering "packaging" as search term would return any attribute where packaging is part of any GDSN Technical Name.*
There is no minimum number of characters required, but it is obvious that the more precise your search term is, the more precise the results will be.

Clicking on the **magnifying glass** executes your search. A search is always against all different types of data elements, and this against all GDSN Messages.

Any new search is always against the full set of data, so “refining a search” is not possible.

Once a search has been performed, the figures in the header are updated to reflect the results, and the search string used is displayed in **orange** under the search box.

After a search you can click on the **remove filter** icon to see the full set of data elements again.

To perform a new search, you can just enter a new search term in the search box and click on the magnifying glass next to the box. There is no need to reset the form before each search.

### 2.20.2 EXPORT TO PDF

This functionality is disabled in this version of the Interim GDM Navigator.

### 2.20.3 ATTRIBUTES Tab

For each attribute listed you see:

- BMS Id
- Attribute Name
- Parent Class: the class this attribute belongs to.
- Message: the GDSN Message this attribute is part of.
- Module: if the attribute is part of a Module in Catalogue Item Notification, you see the Module name.
- Definition

Clicking on any part of an Attribute in the result list, opens the GDSN Attribute Detail Form. This form gives you the detailed GDSN information for the attribute, as well as any associated Validation Rules and/or Code Values (in case the data type of the attribute is a code list).

### 2.20.4 CODE LISTS Tab

For each Code List listed (see what I did there?), the following information is shown:

- A unique identifier for each code list
- Code List name
• Code List definition (where available)
• URN of the Code List (used in GDD)
• Domain: GDSN or Shared. GDSN means the code list is used only in GDSN, Shared means the code list is used in both GDSN and EDI XML.
• URL: if the code list is not maintained by GS1, but by an external agency, the hyperlink here points to the webpage of the external agency containing information about this code list.

Clicking on any part of a code list record opens the GDSN Code List Detail form for the selected Code List.

2.20.5 CODE VALUES Tab

For each Code Value listed, the following information is shown:

• Code Value
• Code Name
• Code Definition
• Code List the Code Value belongs to
• Related images

Clicking on any part of a Code Value record opens the GDSN Code List Detail form for the selected Code Value.

2.20.6 VALIDATION RULES Tab

For each Validation Rule listed, following information is shown:

• VR ID: a unique identifier for the Validation Rule
• Rule Type: Business or Technical
• Sunrise: the GDSN Release as of which the Validation rule became active in the network.
• Structured Rule: the Validation rule itself.
• Error Message: the error message related to the Validation rule when it fails.

Clicking on any part of the Validation Rule, opens a new form containing the detail of the GDSN Validation Rule selected.
2.20.7 AVPs (Attribute Value Pairs) Tab

For each AVP listed, the following information is shown:
- AVP Type: Simple or Compound (refers to the data type of the AVP)
- Unique Row Id: the unique identifier used for the AVP
- AVP Name
- Definition

Clicking on any part of an AVP listed opens a new GDSN form with the detail of the AVP selected.

2.20.8 AVP (Attribute Value Pair) CODE VALUE Tab

For each AVP Code Value listed, the following information is shown:
- AVP: The AVP this code Value belongs to
- Code Value
- Definition (where available)

Clicking on any part of an AVP Code Value listed opens a new GDSN form with the detail of the AVP the selected Code Value belongs to.

2.20.9 EXTENDED ATTRIBUTES Tab

For each Extended Attribute listed, the following information is shown:
- Extended Attribute Name
- Definition
- Extended Attribute Set: name of the set of Extended Attributes this Extended Attribute is part of.

Clicking on any part of an Extended Attribute listed opens a new GDSN form with the detail of the Extended Attribute selected.
### 2.20.10 EXTENDED ATTRIBUTE CODE VALUES Tab

For each Extended Attribute Code Value listed, the following information is shown:

- **Code Value**
- **Definition**
- **Related Images**
- **Related Extended Attribute Information:** the name of the Extended Attribute the Code Value belongs to, as well as the name of the set of Extended attributes.

Clicking on any part of an Extended Attribute Code Value listed opens a new GDSN form with the detail of the Extended Attribute this Code Value belongs to.

### 2.20.11 CLASSES

For each Class listed, the following information is shown:

- **BMSId**
- **Class Name**
- **Cardinality:** Is the class mandatory or optional and is the class repeatable or not.
- **Meta Information:** The GDSN Message this class belongs to, whether the association to this class is named (and if so: the name of the original class) and the parent class of this class.

Clicking on any part of a Class opens a new GDSN form containing the detail for the selected class.
2.21 GDSN Attribute Detail Form

This form shows the detail of the GDSN Attribute marked in orange at the top of the form. As there is too much information to be displayed on a single screen, the information is organized in tabs. Each tabs contains a specific set of information:

- Properties
- Code Values
- Validation Rules
- UML
- Other Attributes in this Class

2.21.1 PROPERTIES Tab

This block contains technical information for the attribute, sourced from the GDSN standard. It gives you the GDSN name of the attribute, what datatype it has, how long the attribute can be, whether a code list is required, whether the attribute is language/unit of measure/currency enabled, whether multiple languages are allowed in GDSN etc.
If the data type of the Attribute is “compound” (i.e. it has sub-attributes), the block to the right called **Related Technical Attributes** contains the list of all technical attributes related to this attribute.

At the bottom right is a tree with a path of the parent class of this attribute all the way up to the root of the GDSN Message. This information is important if you want to know whether an attribute is repeatable for Class, and not just within the class.

### 2.21.2 CODE VALUES Tab

This tab shows the code values that apply to this attribute. If no code values are shown, it means that the datatype of this attribute does not require a code list, or that the Code List does not have any Code Values.

Clicking on a Code Value opens the GDSN detail form for the Code List this Code Value belongs to.
2.21.3 VALIDATION RULES Tab

This block shows all Validation rules where the attribute being displayed is either a prerequisite for or impacted by the Validation Rule. Clicking on the structured rule opens another form, showing the details of the Validation Rule.

2.21.4 UML Tab

This tab contains images of the UML ("Class diagrams") related to this attribute.

2.21.5 OTHER ATTRIBUTES IN THIS CLASS Tab

This tab lists all attributes in the same class as the attribute in this Attribute Detail form.
Clicking on these attributes doesn’t do anything. (So: no new form)
2.22 GDSN Code List Detail Form

This form shows you the detail of the Code List in orange at the top of the form. The form contains three blocks of information:

- Properties of the Code List
- Attributes using this Code List
- Code Values in this Code List

2.22.1 PROPERTIES

Following information is provided:

- Code List Name
- Definition of the Code List
- URN: Uniform Resource Name, used to refer to this code list in GDD.
- Domain: GDSN or Shared. GDSN means the code list is used only in GDSN, Shared means the code list is used in both GDSN and EDI XML.
- External Link: if the code list is not maintained by GS1, but by an external agency, the hyperlink here points to the webpage of the external agency containing information about this code list.

2.22.2 ATTRIBUTES USING CODE LIST

This block shows the GDSN Attributes, their BMS Id, and associated GDSN Message for each Attribute using this Code List.

2.22.3 CODE VALUES

This tab shows the Code Values, Code Names, Definitions and any related images for the selected Code List.

2.22.4 EXPORT TO PDF

This functionality is disabled in this version of the Interim GDM Navigator.
2.23 GDSN Validation Rules Detail Form

**GDSN VALIDATION RULE DETAILS**

**RULE ID # 550**

**STRUCTURED RULE**

IF `specialItemCode` does not equal `DYNAMIC_ASSORTMENT` and `grossWeight` is used then `grossWeight` shall be greater than `-99` multiplied by the `((sum of Parent trade Item packagingWeight + (parent trade item quantityOfNextLowerLevelItem)) multiplied by (Child GTIN Gross Weight))`.

**ERROR MESSAGE**

IF `specialItemCode` does not equal `DYNAMIC_ASSORTMENT`, then the `grossWeight` of the GTIN SHALL BE greater than `99%` of the sum of that GTIN's `packingWeight` plus the sum of the `grossWeight` of all next lower-level child items (whether or not `packingWeight` is populated in the child item). The formula is: `|Parent GTIN Gross Weight| > 99% * (Sum of Parent GTIN Packing Weight) + (Parent GTIN Qty of Next Lower Level) * (Child GTIN Gross Weight))`. NOTE: This allowance of 4% in the sum, is due to some configurations where part of the packaging of child items is removed, such as in displays.

**GDSN TARGET MARKET SCOPE**

- Example of Data that Will Pass
- Example of Data that Will Fail

**RELATED ATTRIBUTES**

<table>
<thead>
<tr>
<th>DSMID</th>
<th>ATTRIBUTE NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3777</td>
<td>grossWeight</td>
</tr>
<tr>
<td>1493</td>
<td>specialItemCode</td>
</tr>
<tr>
<td>2178</td>
<td>packagingWeight</td>
</tr>
<tr>
<td>202</td>
<td>quantityOfNextLowerLevelItem</td>
</tr>
</tbody>
</table>

**METS INFORMATION**

- **Add Data**: 
  - **Message Name**: Catalogue Item Notification
- **VR Type**: BUSINESS
- **VR Source**: 2.x
- **VR Version**: 2

**APPLICABILITY TO CONTEXTS**

<table>
<thead>
<tr>
<th>DP01 AV Product</th>
<th>DP02 Audio Visual Product</th>
<th>DP03 Books and Periodicals</th>
<th>DP04 Clothing</th>
<th>DP05 Food Drink</th>
<th>DP06 Furniture</th>
<th>DP07 Health &amp; Beauty</th>
<th>DP08 Pharma</th>
<th>DP09 Food Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

This form provides the details of the validation rule marked in **orange** at the top of the form. The information is sourced from GDSN.

The detail consists of:

- Structured Rule
- Error Message
- GDSN Target Market Scope
- Example of Data that Passes
- Example of Data that Fails
- Attributes related to this Validation Rule

The **VR Id** is a unique identifier assigned by GDSN to the Validation Rule.

The **structured rule** is the validation rule itself.

The **error message** is the official GDSN error message returned when a Validation Rule fails.

**Applicable message** shows for which GDSN Message(s) the Validation Rule applies. This can be "All" or a specific message or messages.

The **Target Market Scope** shows in which target market(s) this rule is being enforced. This could be e.g. Global, Global excluding a number of countries, a number of countries or a single country. Where GDSN uses Target Market, this translates to the GDM concept of "Country Of Sale".

**Constrained Party** shows you who has the burden of verifying the content of the messages, i.e. has to execute the validation rule.

**VR Type** can be either "TECHNICAL" or "BUSINESS". Most rules are of the type "BUSINESS", Technical Validation Rules are created by GDSN itself to indicate whether multi value or multi
language/unit of measure/currency is allowed in the case an attribute has a compound datatype (i.e. has a language code, measurement unit code or currency code) and the cardinality is "*" as in "0..*" or "1..*". This is because it is impossible to determine from the cardinality alone whether the attribute is repeating for value and/or sub-attribute.

If available in GDSN, we also show **examples of data that passes/fails** when this rule is applied.

<table>
<thead>
<tr>
<th>RELATED ATTRIBUTES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BMSID</td>
<td>ATTRIBUTE NAME</td>
</tr>
<tr>
<td>3777</td>
<td>grossWeight</td>
</tr>
<tr>
<td>1493</td>
<td>specialItemCode</td>
</tr>
<tr>
<td>2178</td>
<td>packagingWeight</td>
</tr>
<tr>
<td>202</td>
<td>quantityOfNextLowerLevelTradeItem</td>
</tr>
</tbody>
</table>

The section **Related Attributes** shows all attributes with their BMSId that are either a prerequisite for this rule or are impacted by it.

Clicking on an attribute in this list opens the form with the Attribute detail for the selected Attribute.

<table>
<thead>
<tr>
<th>META INFORMATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Add Date:</td>
<td></td>
</tr>
<tr>
<td>Message Name:</td>
<td>Catalogue Item Notification</td>
</tr>
<tr>
<td>VR Type:</td>
<td>BUSINESS</td>
</tr>
<tr>
<td>VR Sunrise:</td>
<td>2.X</td>
</tr>
<tr>
<td>VR Version #:</td>
<td>2</td>
</tr>
</tbody>
</table>

The section **Meta Information** at the bottom right shows the following properties of the Validation Rule:

- **Add Date**: when filled out, contains the date the VR was added to the list of official GO maintained VRs.
- **Message Name**: name of the GDSN Message(s) to which this Validation Rule applies.
- **VR Type**: Business or Technical
- **VR Sunrise**: the GDSN release where this VR was introduced.
- **VR Version**: the iteration of this VR. Every update to a VR requires a new version number.

<table>
<thead>
<tr>
<th>APPLICABILITY TO CONTEXTS</th>
<th>All?</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP001 AV Photogra</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP002 Audio Visual Media</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP003 Beauty Hygiene</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP004 Cleaning_F</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP005 Clothing_ai</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP006 Food_Bever</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP007 Medical Devices</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP008 Pharma</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>DP009 Sniffing Gords</td>
<td>Y</td>
<td></td>
</tr>
</tbody>
</table>

The section **Applicability to Contexts** shows if the selected Validation Rule applies to the contexts listed or not. As contexts do not apply to all GDSN Messages, this means that it is possible to have a value of N/A.

**EXPORT TO PDF functionality is disabled in this version of the Interim GDM Navigator.**
2.24 GDSN AVP Detail Form

This form shows the details of the selected AVP. The name of the AVP is in bold and **orange** in the header of the form.

### 2.24.1 MAIN INFORMATION

The left-hand side of the form contains the GDSN Technical Information for the AVP:

- **Definition**
- **Example**
- **Rationale:** for having this AVP.
- **AVP Type** is either **SIMPLE** or **COMPLEX**. Simple is used when the data type does not contain any sub-attributes. Complex is when the AVP data type requires a secondary data type, e.g. A Language Code or Unit of Measure.
- **Data Type** is the data type assigned to the AVP. This can be any valid data type as used in GDSN.
- **Multiplicity** shows the repeatability of the AVP. If the value here ends in 1, the AVP cannot be repeated, if it is *, the AVP can be repeated, for value or for language/unit of measure. Between curly brackets ("{}") are the minimum and maximum length of the value you will put in the AVP.
- **Multiple Language/Unit Of Measurement/Currency** depends on the value in Multiplicity. If that value is * and this field is checked, you can repeat the AVP for language etc.
- **Multiple Values Allowed** depends on the value in Multiplicity. If that value is * and this field is checked, you can repeat the AVP for value.
- **Level of Item Hierarchy Affected:** shows which level of the hierarchy is affected by this AVP. **E.g. EACH**
- **Global/Local**
- **Guidance (1 &2)**
- **Business Rule Rationale**
• Validation Rules

2.24.2 META INFORMATION

The grey box on the right-hand side of the form contains:

• **Sunrise**
• **Sunset**
• **Module/Class to insert AVP into:** tells you where the AVP needs to be inserted in the GDSN XML. *E.g. Core Trade Item.*
• **Date the WR to create this AVP was entered**
• **RDD**
• **CR (WR #)**
• **Reason for no migration of the AVP.**

2.24.3 CODE VALUES

If the AVP requires code values, you can find these at the bottom right in the box labeled "**Code Values**".

2.24.4 EXPORT

*This functionality is disabled in this version of the Interim GDM Navigator.*
2.25 GDSN Extended Attribute Details Form

This form displays the details for the selected Extended Attribute.

The name of the Extended Attribute is in bold and **orange** in the header of the form.

### 2.25.1 MAIN INFORMATION

The left-hand side of the form contains the GDSN Technical Information for the Extended Attribute:

- **Definition**
- **Example**
- **Rationale**: for having this Extended Attribute.
- **Data Type** is the data type assigned to the Extended Attribute. This can be any valid data type as used in GDSN.
- **Length & Facets**
- **Cardinality** shows the repeatability of the Extended Attribute. If the value here ends in 1, the Extended Attribute cannot be repeated, if it is *, the Extended Attribute can be repeated, for value or for language/unit of measure.
- **Level of Item Hierarchy Affected**: shows which level of the hierarchy is affected by this Extended Attribute. *E.g. EACH*
- **Business Rule Rationale**
- **Validation Rules**
- **Add/Change Date** of the extended attribute in the local set.
- **Set ID & Name**: an identifier and the name of the set of Extended Attributes containing the selected Extended Attribute.

### 2.25.2 APPLICABLE CODE VALUES

The right hand side of the form contains the Code Values that apply to this Extended Attribute (if available/applicable).
If the Extended Attribute requires code values, they are listed here.

### 2.25.3 EXPORT

*This functionality is disabled in this version of the Interim GDM Navigator.*
2.26 GDSN Class Details Form

This form contains the detail of the selected class. Its name is in orange at the top of the form. As there is too much information to be displayed on a single page, the information has been spread over a number of tabs:

- Detail
- Class Tree to Root of Message
- UML

2.26.1 DETAIL

This tab contains the basic information for the selected class. The first two blocks on the left hand side contain:

- BMSId and Name (in orange)
- Named Association?: If the class is the result of a named association, the destination class in the association gets the name of the association in XML. The name in this field is the original name of the class (before rename).
- Definition
- Cardinality: repeatability
- Multiple Values
- Message: Name of the GDSN Message this class is part of.
- Module Name: if this class is in CIN and is part of a Module, the name of the module is displayed here.
- Sunrise: GDSN Release when the class was introduced
- Rel updated: if the class was updated for this GDSN Release, you see the GDSN Release number here.
- Change Type: A (Add), C (Change), D (Delete)

Underneath are 3 more blocks:
- xPath: the xPath in XML to this class.
- URN: the Uniform Resource Name to refer to this class in GDD.
- Notes

The right hand side of the Detail tab contains the list of associations from this class to other classes, as well as the list of attributes in this class.

### 2.26.2 CLASS TREE TO ROOT OF MESSAGE

This tab contains the path from the current class to the root of the Message it belongs to. Each class it passes has an indication of cardinality so you can determine the correct repeatability of the class.
2.26.3 UML

This tab contains images of the UML ("Class diagrams") related to this Class.

EXPORT TO PDF functionality is disabled in this version of the Interim GDM Navigator.
## 2.27 List Of GDSN Messages

<table>
<thead>
<tr>
<th>No.</th>
<th>Message Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BasicPartyRegistration</td>
</tr>
<tr>
<td>2</td>
<td>CatalogueItemAuthorisation</td>
</tr>
<tr>
<td>3</td>
<td>CatalogueItemAuthorisationResponse</td>
</tr>
<tr>
<td>4</td>
<td>CatalogueItemConfirmation</td>
</tr>
<tr>
<td>5</td>
<td>CatalogueItemHierarchicalWithdrawal</td>
</tr>
<tr>
<td>6</td>
<td>CatalogueItemNotification</td>
</tr>
<tr>
<td>7</td>
<td>CatalogueItemPublication</td>
</tr>
<tr>
<td>8</td>
<td>CatalogueItemRegistrationResponse</td>
</tr>
<tr>
<td>9</td>
<td>CatalogueItemSubscription</td>
</tr>
<tr>
<td>10</td>
<td>GS1Response</td>
</tr>
<tr>
<td>11</td>
<td>PartyRegistrationResponse</td>
</tr>
<tr>
<td>12</td>
<td>PriceSynchronisationConfirmation</td>
</tr>
<tr>
<td>13</td>
<td>PriceSynchronisationDocument</td>
</tr>
<tr>
<td>14</td>
<td>RegistryCatalogueItem</td>
</tr>
<tr>
<td>15</td>
<td>RegistryPartyDataDump</td>
</tr>
<tr>
<td>16</td>
<td>RequestForCatalogueItemNotification</td>
</tr>
<tr>
<td>17</td>
<td>SearchRequest</td>
</tr>
<tr>
<td>18</td>
<td>SearchResult</td>
</tr>
</tbody>
</table>

This form contains all the messages that exist in GDSN.
### 2.28 GDSN Modules Form

This form contains all modules that exist in the GDSN Catalogue Item Notification Message. The information listed for the modules is:

- BMSId
- Module Name
- URN

<table>
<thead>
<tr>
<th>Module Name</th>
<th>URN</th>
</tr>
</thead>
<tbody>
<tr>
<td>alcoholInformationModule</td>
<td>urn:gs1:opencalc.alcohol_information:xsd:3</td>
</tr>
<tr>
<td>allergenInformationModule</td>
<td>urn:gs1:opencalc.allergen_information:xsd:3</td>
</tr>
<tr>
<td>animalFeedingModule</td>
<td>urn:gs1:opencalc.animal_feeding:xsd:3</td>
</tr>
<tr>
<td>apparelInformationModule</td>
<td>urn:gs1:opencalc.apparel_information:xsd:3</td>
</tr>
<tr>
<td>audienceOrPlayerInformationModule</td>
<td>urn:gs1:opencalc.audience_or_player_information:xsd:3</td>
</tr>
<tr>
<td>audioVisualMediaContentInformationModule</td>
<td>urn:gs1:opencalc.audio_visual_media_content_information:xsd:3</td>
</tr>
<tr>
<td>audioVisualMediaProductDescriptionInformationModule</td>
<td>urn:gs1:opencalc.audio_visual_media_product_description_information:xsd:3</td>
</tr>
<tr>
<td>audioVisualMediaProductionInformationModule</td>
<td>urn:gs1:opencalc.audio_visual_media_production_information:xsd:3</td>
</tr>
<tr>
<td>awardPrizeModule</td>
<td>urn:gs1:opencalc.award_prize:xsd:3</td>
</tr>
<tr>
<td>batteryInformationModule</td>
<td>urn:gs1:opencalc.battery_information:xsd:2</td>
</tr>
<tr>
<td>certificationInformationModule</td>
<td>urn:gs1:opencalc.certification_information:xsd:3</td>
</tr>
<tr>
<td>chemicalRegulationInformationModule</td>
<td>urn:gs1:opencalc.chemical_regulation_information:xsd:3</td>
</tr>
<tr>
<td>childNutritionInformationModule</td>
<td>urn:gs1:opencalc.child_nutrition_information:xsd:3</td>
</tr>
<tr>
<td>consumerInstructionsModule</td>
<td>urn:gs1:opencalc.consumer_instructions:xsd:3</td>
</tr>
<tr>
<td>controlledSubstanceModule</td>
<td>urn:gs1:opencalc.controlled_substance:xsd:3</td>
</tr>
<tr>
<td>copyrightInformationModule</td>
<td>urn:gs1:opencalc.copyright_information:xsd:2</td>
</tr>
<tr>
<td>dairyFishMeatPoultryItemModule</td>
<td>urn:gs1:opencalc.dairy_fish_meat_poultry:xsd:3</td>
</tr>
</tbody>
</table>
### 2.29 GDSN Modules by Context Form

This form allows you to filter the GDSN Modules that apply to any of the existing GDSN Contexts. Upon entering the form, does not show any modules, but just an empty dropdown.

Selecting a GDSN Context in this dropdown shows the list of all GDSN Modules that apply to the selected context, and the name of the selected Context is displayed in orange.

<table>
<thead>
<tr>
<th>Module Name</th>
<th>URN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChemicalRegulationInformationModule</td>
<td>um:gs1:gdsn:chemical_regulation_information:xsd:3</td>
</tr>
<tr>
<td>AlcoholInformationModule</td>
<td>um:gs1:gdsn:alcohol_information:xsd:3</td>
</tr>
<tr>
<td>AllergenInformationModule</td>
<td>um:gs1:gdsn:allergen_information:xsd:3</td>
</tr>
<tr>
<td>AnimalFeedingModule</td>
<td>um:gs1:gdsn:animal_feeding:xsd:3</td>
</tr>
<tr>
<td>AwardPrizeModule</td>
<td>um:gs1:gdsn:award_prize:xsd:3</td>
</tr>
<tr>
<td>CertificationInformationModule</td>
<td>um:gs1:gdsn:certification_information:xsd:3</td>
</tr>
<tr>
<td>ChildNutritionInformationModule</td>
<td>um:gs1:gdsn:child_nutrition_information:xsd:3</td>
</tr>
<tr>
<td>ConsumerInstructionsModule</td>
<td>um:gs1:gdsn:consumer_instructions:xsd:3</td>
</tr>
<tr>
<td>ControlledSubstanceModule</td>
<td>um:gs1:gdsn:controlled_substance:xsd:3</td>
</tr>
<tr>
<td>DairyFishMeatPoultryItemModule</td>
<td>um:gs1:gdsn:dairy_fish_meat_poultry:xsd:3</td>
</tr>
<tr>
<td>DangerousSubstanceInformationModule</td>
<td>um:gs1:gdsn:dangerous_substance_information:xsd:3</td>
</tr>
<tr>
<td>DeliveryPurchasingInformationModule</td>
<td>um:gs1:gdsn:delivery_purchasing_information:xsd:3</td>
</tr>
<tr>
<td>DietInformationModule</td>
<td>um:gs1:gdsn:diet_information:xsd:3</td>
</tr>
<tr>
<td>DutyFeeTaxInformationModule</td>
<td>um:gs1:gdsn:duty_fee_tax_information:xsd:3</td>
</tr>
<tr>
<td>FarmingAndProcessingInformationModule</td>
<td>um:gs1:gdsn:farming_and_processing_information:xsd:3</td>
</tr>
<tr>
<td>FoodAndBeverageIngredientModule</td>
<td>um:gs1:gdsn:food_and_beverage_ingredient:xsd:3</td>
</tr>
<tr>
<td>FoodAndBeveragePreparationServingModule</td>
<td>um:gs1:gdsn:food_and_beverage_preparation_serving:xsd:3</td>
</tr>
<tr>
<td>FoodAndBeveragePropertiesInformationModule</td>
<td>um:gs1:gdsn:food_and_beverage_properties_information:xsd:3</td>
</tr>
</tbody>
</table>
2.30 GDSN Context By Module Form

This form allows you to display the GDSN Contexts that apply for any given GDSN Module.

Upon entering the form, only an empty dropdown is visible. Select the module for which you want to see context applicability, and the system shows you the applicable contexts.
2.31 GDSN Attribute List By Data Type Form

This form shows you all Attributes across all GDSN Messages that have a certain data type. For each attribute the following information is shown:

- GDSN Message
- BMSId
- Attribute Name
- Data Type

Upon load of the form, no attributes are shown, and by default “Specific Data Type” is chosen. You can select a specific data type from the dropdown list. After which the detail is shown.

Alternatively, you can use one of the predefined filters:
- Descriptions: any data type Description or derivated from Description.
- Measurements: any data type Measurement or derivated from Measurement.
- Code Lists: any data type that is a Code List.
- Enumerations: any data type that is an Enumeration.
- Other Data Types: any data type not in the first four data type lists.
This form allows you to find the mapping of the GPC Bricks to GDSN Contexts.

You filter the bricks by selecting a GDSN Context from the Context dropdown list, which automatically filters the bricks that belong to the selected GDSN context.

Alternatively you can use the SEARCH field to enter your own search criteria. Here you can enter a Brick Id (or part of it) or a literal part of the Brick description. The search is not fuzzy.

Please note that the search can be refined.

Entering a second term after doing a first search is going to refine the results.

To reset the applied filter(s) you can click on the corresponding **remove filter icon next to the criteria you used.**

<table>
<thead>
<tr>
<th>Context</th>
<th>GPC Brick Code</th>
<th>GPC Brick Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP006</td>
<td>10000277</td>
<td>Yogurt (Frozen)</td>
</tr>
<tr>
<td>DP006</td>
<td>10006978</td>
<td>Yogurt Substitutes (Frozen)</td>
</tr>
</tbody>
</table>

Information displayed per Brick is:
- GDSN Context Id & Name
- GPC Brick Code
- GPC Brick Description