



The Global Language of Business

Interim Global Data Model Navigator Quick Start Guide

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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 June 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 version 1.0 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, and manage product profiles 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:

<https://www.microsoft.com/en-us/download/details.aspx?id=10910>

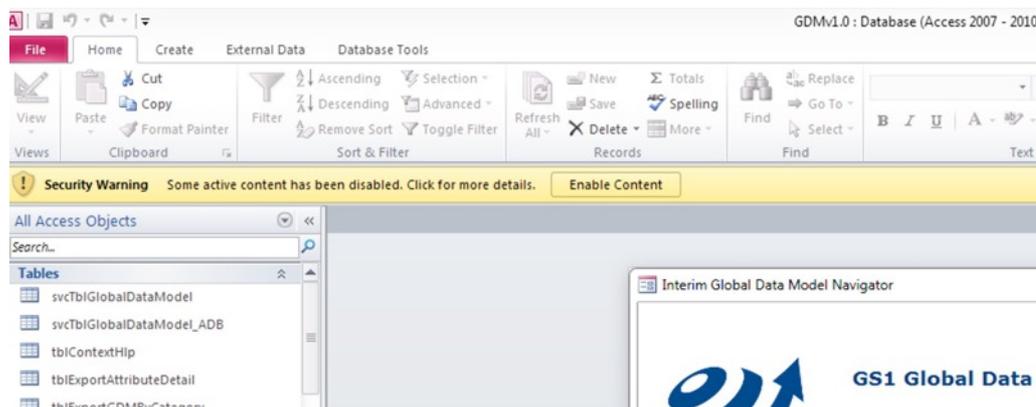
Microsoft Access 2010 64 Bit runtime:

<https://www.microsoft.com/en-us/download/details.aspx?id=10910>

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.

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.

QUICK SEARCH

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

Allowed searches are either numeric or text. Each search you do is against the following:

- BMSId of Attribute
- GDM Name of Attribute
- GDSN Name of Attribute
- GDM Definition of Attribute
- Code List ID
- Code List Name
- Code Value
- Code Name
- Code Definition

EXPLORE ATTRIBUTES

This form allows you to search for specific attributes, based on either a GPC Brick combined with a Region or Region and Country, or else based on a Category (with Sub-Category) and a Region of Sale and/or a Country of Sale.

Furthermore, it allows you to save/load/delete Profiles, as well as indicate for Conditional/Optional attributes if they are to be included in the profile or not.

QUICK SEARCH VRs

This form allows you to quickly search by Rule Number or Structured Rule for Validation Rules that are part of the Global Data Model (GDM).

GDM BY CATEGORY

This form allows you to see the Global Data Model for a Specific Category or Sub-Category, while at the same time, allowing you to filter by Layer, Mandatory/Conditional status or Region.

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 ATTRIBUTE USAGE COMPARISON

This form performs a comparison between 2 GDM Models.

If you wish to compare 2 saved profiles, please go back to the main menu and select "GDM Saved Profile Comparison".

GDM SAVED PROFILE COMPARISON

This form allows you to make a comparison between two profiles that you have saved.

If you have not saved two profiles yet, the system will tell you that there are not enough profiles to make a comparison, close the form and return you to the Main Menu.

ABOUT

General information on what the Interim Global Data Model Navigator is.

DISCLAIMER

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

VERSION INFO

This form provides information on the versions of information used in the Interim Global Data Model Navigator. This is also the place where you can find any Delta Reports with regards to changes of the data element components.

HELP

This form provides help on how to use this form.

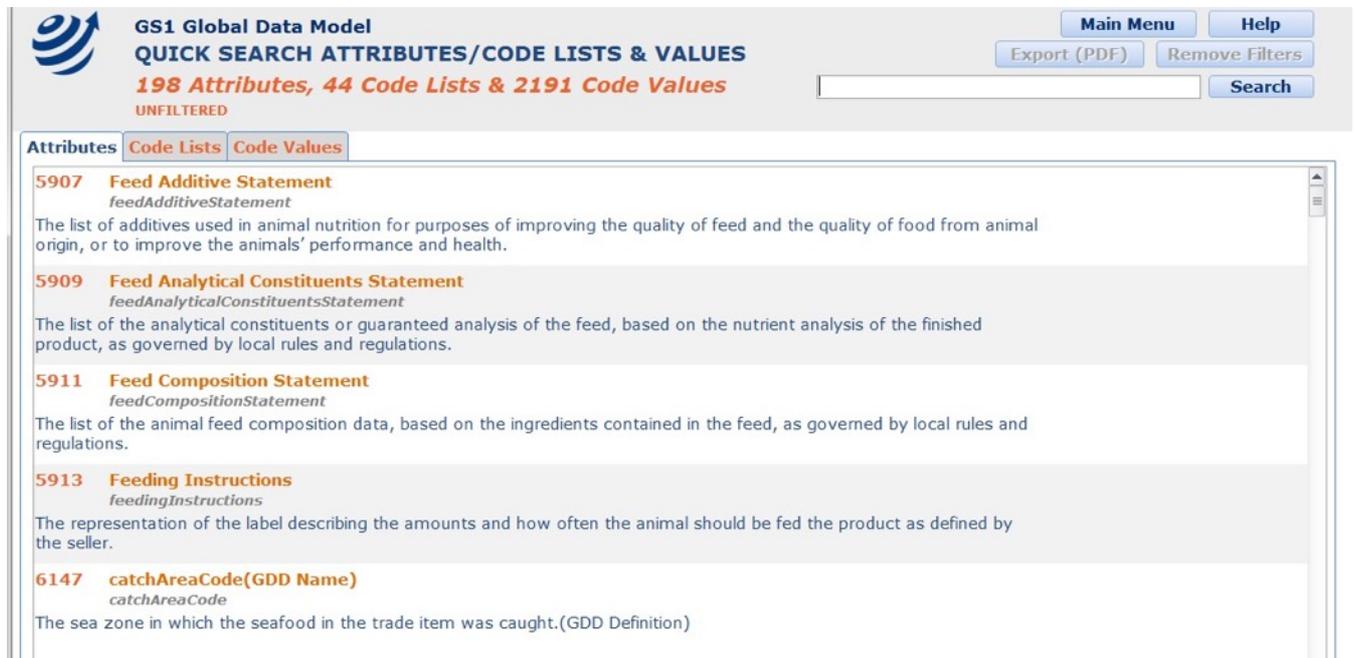


MAINTENANCE

Special system menu where you can export error logs, profiles (when updating the database), import profiles after upgrading the database, hide/show the navigation pane.

2.2 Quick Search Attributes/Code Lists/ Code Values

2.2.1 Main Screen



GS1 Global Data Model
QUICK SEARCH ATTRIBUTES/CODE LISTS & VALUES
 198 Attributes, 44 Code Lists & 2191 Code Values
 UNFILTERED

Main Menu Help
 Export (PDF) Remove Filters
 Search

Attributes Code Lists Code Values

5907 Feed Additive Statement
feedAdditiveStatement
 The list of additives used in animal nutrition for purposes of improving the quality of feed and the quality of food from animal origin, or to improve the animals' performance and health.

5909 Feed Analytical Constituents Statement
feedAnalyticalConstituentsStatement
 The list of the analytical constituents or guaranteed analysis of the feed, based on the nutrient analysis of the finished product, as governed by local rules and regulations.

5911 Feed Composition Statement
feedCompositionStatement
 The list of the animal feed composition data, based on the ingredients contained in the feed, as governed by local rules and regulations.

5913 Feeding Instructions
feedingInstructions
 The representation of the label describing the amounts and how often the animal should be fed the product as defined by the seller.

6147 catchAreaCode(GDD Name)
catchAreaCode
 The sea zone in which the seafood in the trade item was caught.(GDD Definition)

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

SEARCHING

The field in the header section allows you to enter:

Allowed searches are either numeric or text. Each search you do is against the following:

- BMSId of Attribute
- GDM Name of Attribute
- GDSN Name of Attribute
- GDM Definition of Attribute
- Code List ID
- Code List Name
- Code Value
- Code Name
- Code Definition

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 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 SEARCH button is required to retrieve the results.

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.

The text in orange underneath the GDM logo shows the number of attributes, code lists and code values returned by your search, as well as what the search term was that you have used to get these results.

REMOVE FILTERS

Every search results in a filter being applied to the total number of attributes returned.

If you want to remove the filter and scroll through the full set of attributes again, you can press on the button REMOVE FILTERS.

This results in all filters being removed.

It is not necessary to press REMOVE FILTERS before performing a new search.

EXPORT TO PDF

Once you have performed a search, the button for Export is enabled.

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the list of Attributes, Code Lists and Code Values that result from your search.

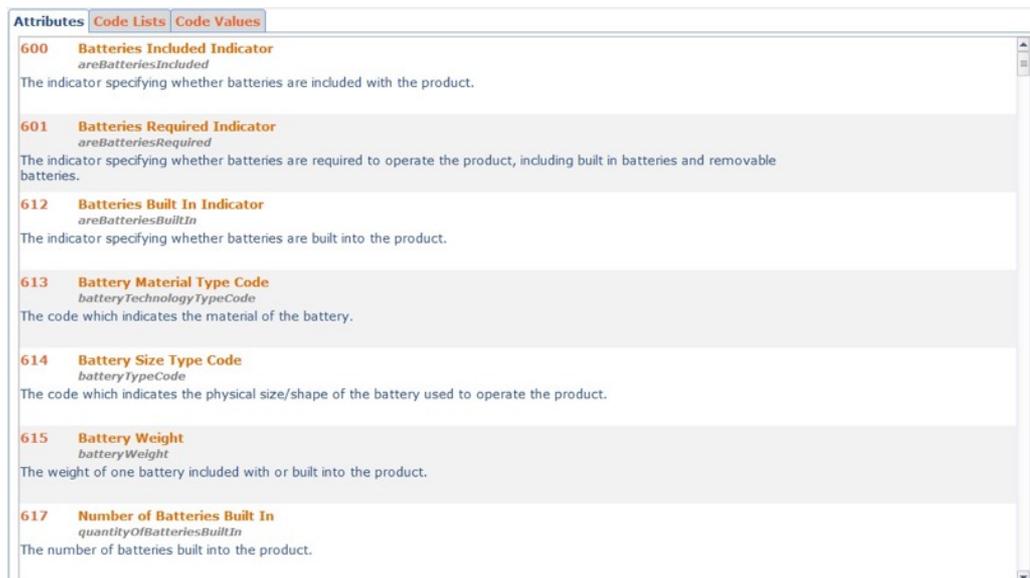
ATTRIBUTE/CODE LIST/CODE VALUE DETAIL

The bottom half of the screen shows attributes, code lists and code values from the GDM, either filtered or unfiltered.

Each type has its own tab. By clicking on the tab of your choice you can see the Attributes or Code Lists or Code Values.

Inside the (un)filtered list, you can click on a record to see the detail, which is presented in a new form that opens.

Inside the tabs, you will see for **ATTRIBUTES:**



- BMSId, a unique identifier for each attribute.
- GDM Name, a business friendly name for the attribute. (in orange)
- GDSN Name, the name of the attribute as used in GDSN. (in dark grey)
- Definition of the attribute.

Inside the tabs, you will see for **CODE LISTS:**

Attributes		Code Lists	Code Values
ID	Code List	[Click on Code List to see values]	
12	AdditionalTradeItemIdentificationTypeCode		
13	AllergenTypeCode		
33	BatteryTechnologyTypeCode		
34	BatteryTypeCode		
41	CatchMethodCode		
50	CommunicationChannelCode		
56	ContactTypeCode		
58	CountryCode		
79	DietTypeCode		
81	DimensionTypeCode		
97	FeedTypeCode		
110	CatchAreaCode_GDSN		
112	GDSN_PackageTypeCode		
114	GHSSignalWordsCode		

- ID, a unique identifier for the Code List
- Code List Name, the name of the Code List

Inside the tabs, you will see for **CODE VALUES:**

Attributes		Code Lists	Code Values
GDSN	GDM	Code Value	Code Name Definition [Click on Code to see GDM Geographical Use]
GDSN		MOH_SZ	Ministry of Health (MOH) Swaziland Ministry of Health (MOH) manages the market authorisation of healthcare products in Swaziland - SZ
			Code List: AdditionalTradeItemIdentificationTypeCode
GDSN		MOH_RW	Ministry of Health - Rwanda Ministry of Health manages the market authorisation of healthcare products in Rwanda - RW
			Code List: AdditionalTradeItemIdentificationTypeCode
GDSN		MOH_MR	Ministry of Health: Pharmacy and Laboratory Ministry of Health: Pharmacy and Laboratory manages the market authorisation of healthcare products in Mauritania - MR
			Code List: AdditionalTradeItemIdentificationTypeCode
GDSN		MOH_GY	Ministry of Health - Guyana Ministry of Health manages the market authorisation of healthcare products in Guyana - GY
			Code List: AdditionalTradeItemIdentificationTypeCode
GDSN		MOH_SW	Ministry of Health & Social Welfare Ministry of Health & Social Welfare manages the market authorisation of healthcare products in Gambia - GM
			Code List: AdditionalTradeItemIdentificationTypeCode

- GDSN/GDM, indicator showing whether a particular code value is only used in GDSN or whether it is also used in GDM.
- Code List, the name of the code List the Code Value belongs to.
- Code Value, the actual value used in the Code List
- Code Name, a name assigned to the Code Value - may be identical to the Code Value
- Code Definition, the definition of the Code Value

For Attributes, Code Lists and Code Values, it is possible to see the detail, by clicking on any part of the record. This opens a new form:

- the **Attribute Detail Form**. This form gives you the detailed GDM and GDSN technical information for the attribute, as well as any associated Validation Rules and/or code Values (in case the data type of the attribute is code list).
- the **Code List Detail Form**. This form gives you all Code Values for the code List, as well as any associated Attributes (having the Code List as data type). [True for clicking on either a Code List or a Code Value]
- the **Code Value Detail form**. This form gives you all details, both GDSN and GDM, for the selected Code Value.

MAIN MENU

Clicking on the Main Menu button closes this form and returns you to the main menu of the GDM Interim Navigator.

2.2.2 Attribute Detail Form

GS1 Global Data Model

DETAILS OF ATTRIBUTE

Feed Additive Statement (BMS Id # 5907)

[Export \(PDF\)](#) [Close & Return](#) [Help](#)

Business definition

The list of additives used in animal nutrition for purposes of improving the quality of feed and the quality of food from animal origin, or to improve the animals' performance and health.

Example

Additives per kg: Nutritional additives: Vitamin A (9181 IU), vitamin C (535mg), vitamin D3 (1013 IU), vitamin E (1350mg), biotin (0.49mg), copper sulphate pentahydrate (22.8mg), L-carnitine (220mg), manganese-(II)-sulphate monohydrate (159mg), potassium

Usage Statement

Used to inform consumers of the additives used in the product.

GDSN Technical Properties

GDSN Name feedAdditiveStatement

DataType Description5000

Attribute Length 1..5000

MultipleValues? (Y/N) No

Language Enabled Yes

Multi Language Allowed Yes

UOM/Currency Enabled No

Multiple UOM No

Code List Name

Category / Layer Applicability

	Layer	C/M	Reason Keyword	Reason Detail
FOOD <input type="checkbox"/> Dairy,Refrigerated,Frozen <input type="checkbox"/> Deli,Prepared <input type="checkbox"/> Fresh Meat <input type="checkbox"/> Fresh Fish <input type="checkbox"/> Fresh Fruits, Vegetables <input type="checkbox"/> Grocery	<input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU			
	<input type="checkbox"/> Cleaners <input type="checkbox"/> Disposables <input type="checkbox"/> Beauty,PersonalCare	<input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU		
PET FOOD	Regional <input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU	Conditional	Product	If a list of additives is provided on the product packaging (label), this field is MANDATORY.

NEAR FOOD <input checked="" type="checkbox"/> Cleaners <input checked="" type="checkbox"/> Disposables <input checked="" type="checkbox"/> Beauty,PersonalCare	Global <input checked="" type="checkbox"/> NoAm <input checked="" type="checkbox"/> AUNZ <input checked="" type="checkbox"/> EU	Conditional	Supplier	If the Contact Details attribute has been populated, this attribute is MANDATORY. It CANNOT be used if Contact Details is not populated.
PET FOOD	Global <input checked="" type="checkbox"/> NoAm <input checked="" type="checkbox"/> AUNZ <input checked="" type="checkbox"/> EU	Conditional	Supplier	If the Contact Details attribute has been populated, this attribute is MANDATORY. It CANNOT be used if Contact Details is not populated.
ALCOHOLIC BEVERAGES	Global <input checked="" type="checkbox"/> NoAm <input checked="" type="checkbox"/> AUNZ <input checked="" type="checkbox"/> EU	Conditional	Supplier	If the Contact Details attribute has been populated, this attribute is MANDATORY. It CANNOT be used if Contact Details is not populated.
TOBACCO	Global <input checked="" type="checkbox"/> NoAm <input checked="" type="checkbox"/> AUNZ <input checked="" type="checkbox"/> EU	Conditional	Supplier	If the Contact Details attribute has been populated, this attribute is MANDATORY. It CANNOT be used if Contact Details is not populated.

Validation Rules Applying to this Attribute		Applicable Code Values			
VR #	Structured Rule <small>(CLICK HERE TO SEE DETAIL)</small>	GDSN GDM	Code Value	Code Name	Code Definition <small>(CLICK HERE TO SEE DETAIL)</small>
		GDM	MOBILE_WEBSITE	Mobile website	The URL of the mobile commerce site (or WAP site) to a type of website than can be accessible from a smart-phone or other.
		GDM	WEBSITE	Website	The identification of a world wide web address.
		GDM	TELEPHONE_FREE_NUMBER	Telephone free number	A telephone number that is billed for all arriving calls instead of incurring charges to the originating telephone subscriber. For the Voice/data transmission by telephone.
		GDM	TELEPHONE	Telephone	
		GDM	SOCIAL_MEDIA	Social Media	A social media address.
		GDM	EMAIL	Email	Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an

This form shows the detail of the GDM Attribute marked in orange at the top of the form.

This form contains the following blocks of information:

- GDM Information
- Technical Properties
- Category and Layer Applicability
- Validation Rules applicable to the attribute
- Code Values applicable to the attribute

GDM INFORMATION

The information in this block comes from the GDM ADB work.

It contains:

- 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

TECHNICAL PROPERTIES

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.

CATEGORY /LAYER APPLICABILITY

In this block you will find for each (Sub-) Category of the GDM:

- whether the attribute is used in the (Sub-) Category
- the layer where you can find the attribute
- whether the attribute is mandatory, conditional or optional
- if an attribute is conditional in use, there is also a column with the applicability (Key word) and the detail of the applicability.

VALIDATION RULES APPLYING TO THIS ATTRIBUTE

This block shows all Validation rules where the attribute 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.

APPLICABLE CODE VALUES

This block shows the code values that apply to this attribute. It also contains a column indicating whether the code value is only used in GDSN ("GDSN") or whether there is also reported use in GDM for the code value ("GDM")

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

EXPORT TO PDF

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.

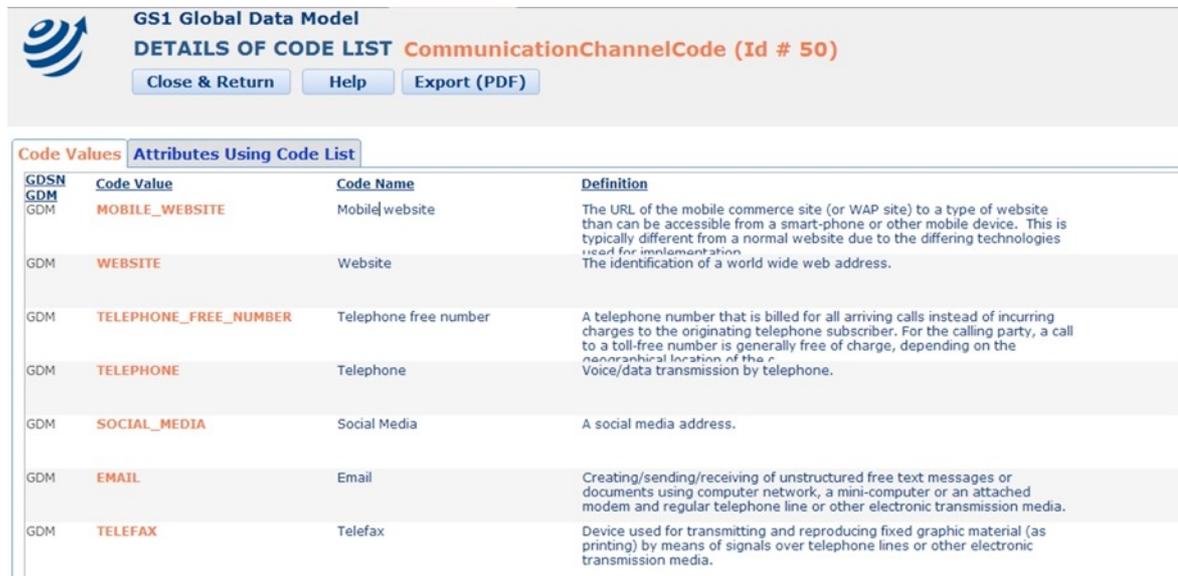
DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the detailed information of the selected Attribute.

CLOSE & RETURN

By clicking on CLOSE & RETURN, this form closes and you are returned to the previous screen.

2.2.3 Code List Detail Form



GDSN GDM	Code Value	Code Name	Definition
GDM	MOBILE_WEBSITE	Mobile website	The URL of the mobile commerce site (or WAP site) to a type of website than can be accessible from a smart-phone or other mobile device. This is typically different from a normal website due to the differing technologies used for implementation.
GDM	WEBSITE	Website	The identification of a world wide web address.
GDM	TELEPHONE_FREE_NUMBER	Telephone free number	A telephone number that is billed for all arriving calls instead of incurring charges to the originating telephone subscriber. For the calling party, a call to a toll-free number is generally free of charge, depending on the nature of the transmission of the call.
GDM	TELEPHONE	Telephone	Voice/data transmission by telephone.
GDM	SOCIAL_MEDIA	Social Media	A social media address.
GDM	EMAIL	Email	Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.
GDM	TELEFAX	Telefax	Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.

This form shows you the detail of the code list related to the Code List or Code Value you clicked on the form "QUICK SEARCH CODE LISTS / VALUES".

In the title part you see the name of the selected Code List, as well as its unique identifier. (In orange)

The detail part of the form contains two tabs.

You can switch between the tabs by clicking on the name of the tabs ("CODE VALUES" and "ATTRIBUTES USING CODE LIST").

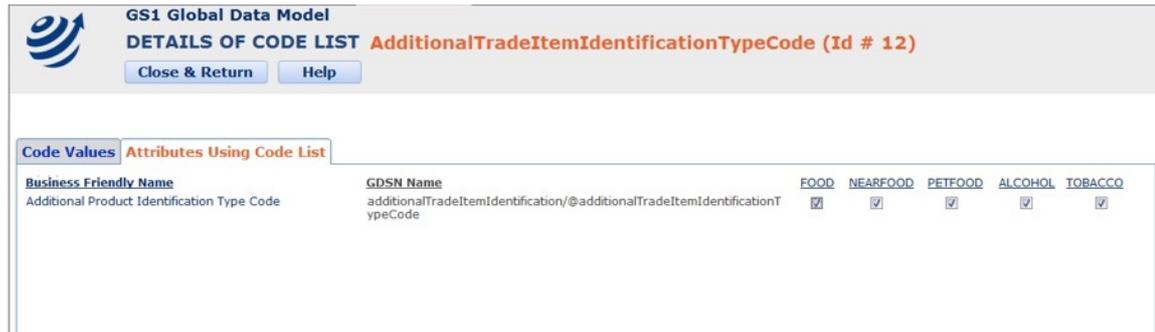
CODE VALUES

This tab shows the GDSN/GDM, Code Values, Code Names and Definitions in four columns.

The list is scrollable.

Clicking on any part of a record opens up a new form with the detail of the Code Value, including the common geographical use in GDM.

ATTRIBUTES USING CODE LIST



Business Friendly Name	GDSN Name	FOOD	NEARFOOD	PETFOOD	ALCOHOL	TOBACCO
Additional Product Identification Type Code	additionalTradeItemIdentification/@additionalTradeItemIdentificationTypeCode	<input checked="" type="checkbox"/>				

This tab shows the GDM Attributes that have this code list as a datatype.

Check boxes indicate what category these attributes belong to.

Clicking on the GDM Attribute Name or GDSN Name takes you to the detail page for the attribute in question. (See above)

EXPORT TO PDF

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the detailed information of the selected Code List.

CLOSE & RETURN

By clicking on CLOSE & RETURN, this form closes and you are returned to the previous screen.

2.2.4 Validation Rule Detail Form



GS1 Global Data Model

VALIDATION RULE DETAILS

Rule ID # 203

Close
Help

Export (PDF)

Structured Rule

dataRecipient must not be empty.

Error Message Description

Attribute dataRecipient is required to be populated in a Catalogue Item Notification message.

GDSN Target Market Scope

Global

Example of Data that will PASS

Example of Data that will FAIL

Attributes related to this Validation Rule

BMS Id #	Business Name
40	Authorised Receiver of Product Information GLN (Global Location Number)

This form provides the details of the validation rule marked in orange at the top of the screen.

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 structured rule is the validation rule itself.

The error message is the GDSN error message, and where it exists, we also provide the Global Data Model business friendly error message.

The GDSN Target Market Scope shows in which target market 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".

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

The last part, attributes related to this Validation Rule shows all GDM attributes that are either a prerequisite for this rule or are impacted by it.

EXPORT TO PDF

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the detailed information of the selected Validation Rule.

CLOSE

Clicking on the button CLOSE, closes this screen and returns you to the previous screen.

2.3 Explore Attributes



This form allows you to search for specific attributes, based on either a GPC Brick combined with a Region or Region and Country, or else based on a Category (with Sub-Category) and a Region of Sale and/or a Country of Sale.

Furthermore, it allows you to save/load/delete Profiles, as well as indicate for Conditional/Optional attributes if they are to be included in the profile or not.

2.3.1 Main Screen

SEARCH BY GPC BRICK

By clicking on the button "GPC BRICK TO FIND (SUB-) CATEGORY" a new window is opened where you can select a GPC Brick.

This is particularly useful if you know what product you want to see the attributes for.

The selection of the GPC Brick made, automatically pre-populated the GDM Category and sub-Category (if applicable) for you.



Next you need to select the Region of Sale from the drop-down list. After you have selected the Region of Sale the Country of Sale dropdown is enabled, and, if you wish, you can pick a country of Sale in the Region you already selected.

Once enough parameters have been selected, the button "SHOW ATTRIBUTES" is enabled, and you can use it to see the attributes that correspond to your selection. (See below: SHOW ATTRIBUTES)

SEARCH BY (SUB-) CATEGORY

The alternative way to search for attributes is through selecting parameters.

These parameters are Category and Region. Some Categories have Sub-Categories, and the dropdown with the corresponding sub-categories is enabled once you have chosen a Category.

For the regions, the same thing applies, once a region has been chosen, the Country field is enabled and populated with the corresponding countries.

Once enough parameters have been selected, the button "SHOW ATTRIBUTES" is enabled, and you can use it to see the attributes that correspond to your selection. (See below: SHOW ATTRIBUTES)

SHOW ATTRIBUTES

Once enough parameters are available, this button becomes enabled.

By clicking on it, the system retrieves the Mandatory, Conditional and Optional attributes that apply to your selection.

By default the system shows the Conditional Optional attributes.

A button SUMMARY becomes available, and when you click on it, the system shows you a condensed view of the Conditional & Optional Attributes (without the condition).

Conditional & Optional Attributes			See Mandatory Attributes	Conditions	Export Profile to Excel
<input checked="" type="checkbox"/>	3759	Additional Dimension Depth/Length <i>depth</i>	Conditional	Product	Help for using this form
<input checked="" type="checkbox"/>	3761	Additional Dimension Type Code <i>dimensionTypeCode</i>	Conditional	Product	
<input checked="" type="checkbox"/>	1457	Additional Legal Product Information <i>compulsoryAdditiveLabelInformation</i>	Conditional	Product	
<input checked="" type="checkbox"/>	68	Additional Product Identification <i>additionalTradeItemIdentification</i>	Conditional	Supplier	
<input checked="" type="checkbox"/>	69	Additional Product Identification Type Code <i>additionalTradeItemIdentification/@additionalTradeItemIdentificationTypeCode</i>	Conditional	Supplier	
<input checked="" type="checkbox"/>	3504	additionalTradeItemDescription(GDD Name) <i>additionalTradeItemDescription</i>	Conditional	Supplier	
<input checked="" type="checkbox"/>	352	Alcohol Percentage <i>percentageOfAlcoholByVolume</i>	Conditional	Product	
<input checked="" type="checkbox"/>	376	Allergen Containment Code <i>levelOfContainmentCode</i>	Conditional	Product	
<input checked="" type="checkbox"/>	375	Allergen Type Code <i>allergenTypeCode</i>	Conditional	Product	
<input checked="" type="checkbox"/>	3552	Alternative Colour Description <i>colourDescription</i>	Conditional	Fruits & Vegetables Conditional	
<input checked="" type="checkbox"/>	40	Authorised Receiver of Product Information GLN (Global Location Number) <i>dataRecipient</i>	Conditional	Solution	

The button SUMMARY has changed in to LIST VIEW.

When clicking on LIST VIEW, you are returned to the default view of the Conditional Optional Attributes.

You can view the Mandatory attributes by clicking on the button "SEE MANDATORY ATTRIBUTES".

CONDITIONAL & OPTIONAL ATTRIBUTES

Conditional Optional Attributes			See Mandatory Attributes	Summary	Export Profile to Excel
<input checked="" type="checkbox"/>	40	Authorised Receiver of Product Information GLN (Global Location Number) <i>dataRecipient</i>	<p>Definition: The Global Location Number (GLN) that uniquely identifies the authorised receiver of the product information.</p> <p>Usage: Conditional Reason: If you are using GDSN as the technology for implementing the GDM, this attribute is MANDATORY.</p> <p>Keyword: Solution</p>		
<input checked="" type="checkbox"/>	68	Additional Product Identification <i>additionalTradeItemIdentification</i>	<p>Definition: An identifier, other than the GTIN, which provides an additional identification for the product.</p> <p>Usage: Conditional Reason: If as a supplier you have agreed to/want to provide additional identification for the product other than a GTIN, this field is MANDATORY</p> <p>Keyword: Supplier</p>		
<input checked="" type="checkbox"/>	69	Additional Product Identification Type Code <i>additionalTradeItemIdentification/@additionalTradeItemIdentificationTypeCode</i>	<p>Definition: The code indicating the type of Additional Product Identification used.</p> <p>Usage: Conditional Reason: This field can only be used, and is then MANDATORY, if you have used Additional Product Identification.</p> <p>Keyword: Supplier</p>		
<input checked="" type="checkbox"/>	75	Brand Owner GLN (Global Location Number) <i>gln</i>	<p>Definition: The Global Location Number (GLN) that uniquely identifies the Brand Owner of the product.</p>		

The list of Conditional & Optional Attributes allows you to indicate in the checkbox "INCLUDE?" whether you want to populate the Conditional/ Optional attribute.

The information per attribute you find are:

- BMSId
- GDM Business Friendly Name
- GDSN Name

- Definition of the attribute
- Usage (Conditional/Optional) of the attribute
- Keyword for why the attribute is conditional
- Full reason for when attribute must be populated.

Clicking on an attribute opens up a screen with the full detail of the attribute you have selected.

Once you have gone through the full list and have identified all attributes you want to include in the profile, you can click on the button SAVE PROFILE in the grey area at the top right of the screen. This allows you to save your profile with all attributes you selected.

MANDATORY ATTRIBUTES

Mandatory Attributes		See Conditional & Optional Attributes	Export Profile to Excel
56	Base Unit Indicator <i>isTradeItemABaseUnit</i>		
57	Consumer Unit Indicator <i>isTradeItemAConsumerUnit</i>		
58	Shipping Unit Indicator <i>isTradeItemADespatchUnit</i>		
60	Orderable Unit Indicator <i>isTradeItemAnOrderableUnit</i>		
66	Packaging Level Code <i>tradeItemUnitDescriptorCode</i>		
67	GTIN (Global Trade Item Number) <i>gtin</i>		
83	Data Provider GLN (Global Location Number) <i>gln</i>		
85	Data Provider Name <i>partyName</i>		
112	Country Of Sale Code <i>targetMarketCountryCode</i>		
144	Product Information Effective Date/Time		

Record: 1 of 21 | Filtered | Search

When clicking on the button SEE MANDATORY ATTRIBUTES, you get the list of all attributes that are mandatory to be populated for the parameters you chose.

These attributes cannot be excluded (like the Conditional/Optional ones), because they MUST be populated.

You can click on an attribute and a new screen opens which gives you the full detail of the attribute you clicked on.

EXPORT PROFILE TO EXCEL

By clicking on this button, you can export the attribute profile for the parameters you selected to Excel.

The system will ask you for a location of where to store the export, and then performs the export to Excel files.

All in all 4 files are created:

- A workbook containing the parameters of the profile
- A workbook containing the Attributes in the profile
- A workbook with the Code Lists and Code Values for the Attributes in the Profile
- A workbook with the Validation Rules for the attributes in the profile.

PROFILES

The Interim GDM Navigator can save, load and delete profiles that you have created.

So specific profiles you create for products can be reused later on, and if you wish to .

You can also compare 2 saved profiles, by using the button GDM SAVED PROFILE COMPARISON on the Main Menu.

SAVE PROFILE



Clicking on the button SAVE PROFILE is possible only once you have clicked on the button SHOW ATTRIBUTES, and it is best only to save it once you have completed the inclusion/exclusion of Conditional/Optional attributes (See: SHOW ATTRIBUTES above).

Clicking on this button opens a popup window where you can enter the name of your profile. The max length for the profile name is 255 characters.

Clicking on the save button saves the profile with all its attributes and parameters and the name you have chosen.

A message tells you whether the save was successful.

If you chose to save the profile with a profile name which already exists in the list of your save profiles, the system asks you whether you are sure to overwrite the existing profile.

Clicking on OK overwrites the profile, clicking on CANCEL aborts the save.

If you do not wish to save your profile, you can click on the CANCEL button instead of the SAVE button, you are then returned to the main screen.

LOAD PROFILE

By clicking on this button, you load one of your saved profiles, together with its name, the parameters and all attributes.

This allows for changing the profile by including or excluding additional conditional/optional attributes.

(See: LOAD GDM PROFILE screen)

RESET FORM

By clicking on this button, you reset the EXPLORE ATTRIBUTES window completely: it empties all parameter fields, any reference to Mandatory or Conditional & Optional attributes is hidden, a number of buttons are disabled, and where applicable, the name of a profile and/or reference to a GPC Brick and GPC Brick description is removed.

You can then start all over by either loading an existing profile or by entering parameters to create a new profile.

MAIN MENU

By clicking on the MAIN MENU button, the EXPLORE ATTRIBUTES window is closed without saving and you are returned to the main menu window. If you wish to save your work, you need to do so, before clicking on the MAIN MENU button.

2.3.2 Attribute Detail Form

GS1 Global Data Model

[Export \(PDF\)](#)

[Close & Return](#) [Help](#)

DETAILS OF ATTRIBUTE

Feed Additive Statement (BMS Id # 5907)

Business definition

The list of additives used in animal nutrition for purposes of improving the quality of feed and the quality of food from animal origin, or to improve the animals' performance and health.

Example

Additives per kg: Nutritional additives: Vitamin A (9181 IU), vitamin C (535mg), vitamin D3 (1013 IU), vitamin E (1350mg), biotin (0.49mg), copper sulphate pentahydrate (22.8mg), L-carnitine (220mg), manganese-(II)-sulphate monohydrate (159mg), potassium

Usage Statement

Used to inform consumers of the additives used in the product.

GDSN Technical Properties

GDSN Name feedAdditiveStatement

DataType Description5000

Attribute Length 1..5000

MultipleValues? (Y/N) No

Language Enabled Yes

Multi Language Allowed Yes

UOM/Currency Enabled No

Multiple UOM No

Code List Name

Category / Layer Applicability

	Layer	C/M	Reason Keyword	Reason Detail
FOOD <input type="checkbox"/> Dairy,Refrigerated,Frozen <input type="checkbox"/> Deli,Prepared <input type="checkbox"/> Fresh Meat <input type="checkbox"/> Fresh Fish <input type="checkbox"/> Fresh Fruits, Vegetables <input type="checkbox"/> Grocery	<input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU			
NEAR FOOD <input type="checkbox"/> Cleaners <input type="checkbox"/> Disposables <input type="checkbox"/> Beauty,PersonalCare	<input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU			
PET FOOD	Regional <input type="checkbox"/> NoAm <input type="checkbox"/> AUNZ <input type="checkbox"/> EU	Conditional	Product	If a list of additives is provided on the product packaging (label), this field is MANDATORY.
NEAR FOOD <input checked="" type="checkbox"/> Cleaners <input checked="" type="checkbox"/> Disposables <input checked="" type="checkbox"/> Beauty,PersonalCare	Global	Mandatory		
PET FOOD	Global	Mandatory		
ALCOHOLIC BEVERAGES	Global	Mandatory		
TOBACCO	Global	Mandatory		

Validation Rules Applying to this Attribute

VR #	Structured Rule
590	If targetMarketCountryCode equals ('250' (France) or '380' (Italy)) then tradeItemDescription shall be used.
1161	If targetMarketCountryCode equals ('249' (France) or '250' (France)) then tradeItemDescriptionInformation/tradeItemDescription shall be used.

Applicable Code Values

Code Value	Code Name	Code Definition
(CLICK CODE TO SEE DETAIL)		

This form shows the detail of the GDM Attribute marked in orange at the top of the form.

This form contains the following blocks of information:

- GDM Information
- Technical Properties
- Category and Layer Applicability

- Validation Rules applicable to the attribute
- Code Values applicable to the attribute

GDM INFORMATION

The information in this block comes from the GDM ADB work.

It contains:

- 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

TECHNICAL PROPERTIES

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.

CATEGORY /LAYER APPLICABILITY

In this block you will find for each (Sub-) Category of the GDM:

- whether the attribute is used in the (Sub-) Category
- the layer where you can find the attribute
- whether the attribute is mandatory, conditional or optional
- if an attribute is conditional in use, there is also a column with the applicability (Key word) and the detail of the applicability.

VALIDATION RULES APPLYING TO THIS ATTRIBUTE

This block shows all Validation rules where the attribute 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.

APPLICABLE CODE VALUES

This block 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.

EXPORT TO PDF

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.

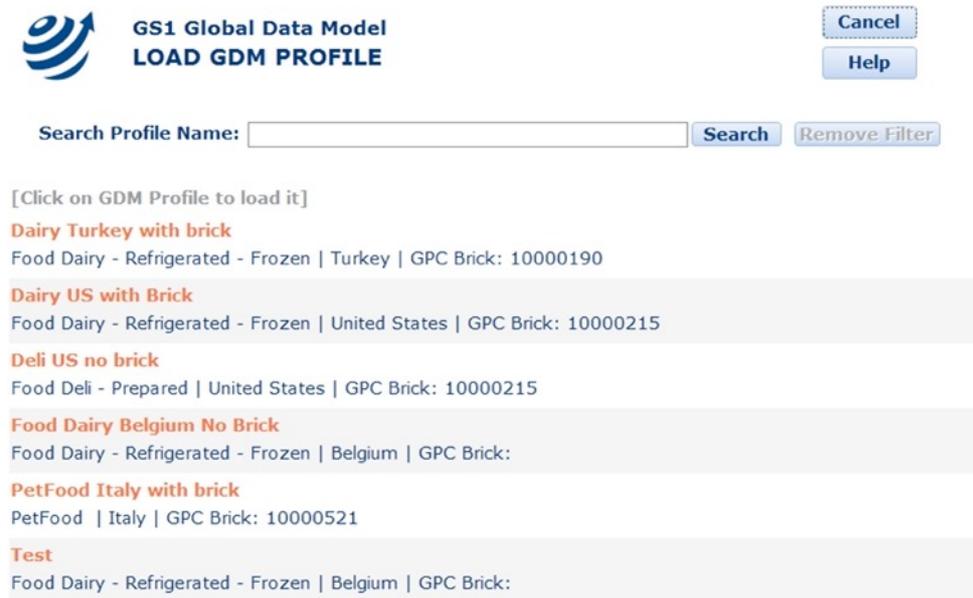
DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the detailed information of the selected Attribute.

CLOSE & RETURN

By clicking on CLOSE & RETURN, this form closes and you are returned to the previous screen.

2.3.3 Load GDM Profile



This screen allows you to search and select an already saved profile, for use in the EXPLORE ATTRIBUTES window.

There are 2 parts in the screen:

- a search box in the top part
- a scrollable list of your profiles in the bottom half.

LIST OF PROFILES

You can scroll through the list of save profiles and then by clicking on the profile you want, you can load it in the EXPLORE ATTRIBUTES window.

Selecting a profile overwrites whatever data was in the EXPLORE ATTRIBUTES window, so if you have not saved the profile you are working on, you may want to click on the CANCEL button at the top of this screen and save the profile first.

The selection of the profile prefills all parameters for your profile in the EXPLORE ATTRIBUTES screen, and also shows you the selection of conditional and optional attributes you had made.

You can edit your choices and then save the profile again, should you wish to do so.

The selection of a profile also shows the name of the profile in orange underneath the GDM logo, and if a GPC Brick is associated with your profile, the Brick number and description appear in grey above the parameter section on the EXPLORE ATTRIBUTES screen.

SEARCH PROFILE

By entering at least 3 characters in the search box at the top of the LOAD PROFILE screen, you can search for your saved profiles.

Two types of searches are possible: when you enter at least three figures in the search box, the system will search by GPC Brick associated to your profiles.

It will also search if there are profile names containing these figures.

If this is the case, the list of your profiles is filtered on both GPC Bricks and Profile Names containing your search string.

If you enter only text, the system will only filter on Profile Names containing your search string.

The search string can be any part of the Profile Name or GPC Brick, so entering "215" as search term, would result e.g. in Profiles having bricks "10000215", "12150001" or "21556321", but also "My Product 215 Grocery Chocolate".

Please note that the more precise you want your search to be, the more characters of the desired result you need to include.

Once you have filtered the profiles to your liking, you can click on one to load it in the EXPLORE ATTRIBUTES window. (See above for more details)

REMOVE FILTER

If your search term did not result in the desired results, you can click on the REMOVE FILTER button at the top of your screen (next to SEARCH).

Clicking this button removes any filter that is applied to the list of profiles.

Please note that this button is only enabled when a filter is applied to the list of Profiles.

2.3.4 Delete GDM Profile



This screen allows you to search and select an already saved profile, for DELETING it.

There are 2 parts in the screen:

- a search box in the top part
- a scrollable list of your profiles in the bottom half.

LIST OF PROFILES

You can scroll through the list of save profiles and then by clicking on the profile you want, you delete it.

The system pops up a message asking whether you are sure to delete the selected profile and presents you with 2 buttons as choice.

Either you press YES and the profile is deleted and cannot be retrieved anymore, or you press NO, and then you are returned to the DELETE GDM PROFILE window.

SEARCH PROFILE

By entering at least 3 characters in the search box at the top of the LOAD PROFILE screen, you can search for your saved profiles.

Two types of searches are possible: when you enter at least three figures in the search box, the system will search by GPC Brick associated to your profiles.

It will also search if there are profile names containing these figures.

If this is the case, the list of your profiles is filtered on both GPC Bricks and Profile Names containing your search string.

If you enter only text, the system will only filter on Profile Names containing your search string.

The search string can be any part of the Profile Name or GPC Brick, so entering "215" as search term, would result e.g. in Profiles having bricks "10000215", "12150001" or "21556321", but also "My Product 215 Grocery Chocolate".

Please note that the more precise you want your search to be, the more characters of the desired result you need to include.

Once you have filtered the profiles to your liking, you can click on one to DELETE it. (See above for more details)

REMOVE FILTER

If your search term did not result in the desired results, you can click on the REMOVE FILTER button at the top of your screen (next to SEARCH).

Clicking this button removes any filter that is applied to the list of profiles.

Please note that this button is only enabled when a filter is applied to the list of Profiles.

2.3.5 GPC Brick Search



GS1 Global Data Model
GPC BRICK SEARCH

Showing 1003 Bricks

[Return](#)

[Help](#)

[Search](#)
[Reset Search](#)

(Sub-) Category	GPC Brick	GPC Brick Description	[Click on record to select]
Dairy Refrigerated & Frozen	10000025	Milk (Perishable)	
Dairy Refrigerated & Frozen	10000026	Milk (Shelf Stable)	
Dairy Refrigerated & Frozen	10000027	Milk (Frozen)	
Dairy Refrigerated & Frozen	10000028	Cheese (Perishable)	
Dairy Refrigerated & Frozen	10000029	Cheese (Shelf Stable)	
Dairy Refrigerated & Frozen	10000030	Cheese (Frozen)	
Dairy Refrigerated & Frozen	10000167	Butter (Frozen)	
Dairy Refrigerated & Frozen	10000168	Butter (Perishable)	
Dairy Refrigerated & Frozen	10000169	Butter (Shelf Stable)	
Dairy Refrigerated & Frozen	10000188	Cream (Frozen)	
Dairy Refrigerated & Frozen	10000189	Cream (Perishable)	
Dairy Refrigerated & Frozen	10000190	Cream (Shelf Stable)	
Dairy Refrigerated & Frozen	10000191	Dairy Based Drinks – Ready to Drink (Perishable)	
Dairy Refrigerated & Frozen	10000192	Dairy Based Drinks – Ready to Drink (Shelf Stable)	
Dairy Refrigerated & Frozen	10000214	Ice	
Dairy Refrigerated & Frozen	10000215	Ice Cream/Ice Novelties (Frozen)	
Dairy Refrigerated & Frozen	10000216	Ice Cream/Ice Novelties (Shelf Stable)	
Dairy Refrigerated & Frozen	10000277	Yogurt (Frozen)	

This window helps you to choose the GPC Brick that both corresponds to your product and to the GDM (Sub-) Category of your product.

The top part of the screen contains buttons and the search box, the bottom part of the screen contains the list of GPC Bricks assigned to GDM Categories and Sub-Categories, or your search term.

Please note this screen does not display ALL GPC Bricks, only the ones that have been assigned to GDM Categories and Sub-Categories.

SEARCH

By entering at least 3 characters/figures in the search field, and then clicking on SEARCH, you can filter the GPC Bricks to find the correct GPC Brick that matches your product.

If you enter only text, the system will only filter on GPC Brick descriptions containing your search string.

The search string can be any part of the GPC Brick Description or GPC Brick, so entering "215" as search term, would result e.g. in Profiles having bricks "10000215", "12150001" or "21556321".

Once you have performed a search and have filtered the GPC Bricks, the top of the screen will show how many Bricks correspond to your search, and also what your search was.

Please note that the more precise you want your search to be, the more characters of the desired result you need to include.

Once you have filtered the profiles to your liking, you can click on one to prepopulate the Category and - if applicable - Sub-Category in the EXPLORE ATTRIBUTES window.

In the EXPLORE ATTRIBUTES window, we also show the GPC Brick number and GDP Brick Description above the parameter fields in grey.

Please note that selecting a GPC Brick removes any parameters you had already set on the EXPLORE ATTRIBUTES screen.

RESET SEARCH

If you would like to see the unfiltered list of GPC Bricks assigned to GDM Categories and Sub-Categories, click on this button.

Please note this button is disabled as long as you have not performed a search.

RETURN

By clicking on this button, you return to the EXPLORE ATTRIBUTES window without selecting a GPC Brick.

2.4 Quick Search Validation Rules

2.4.1 Main Screen



BMS VR ID	Structured Rule	[CLICK VALIDATION RULE TO SEE DETAIL]
96	If tradeItemUnitDescriptor is equal to 'BASE_UNIT_OR_EACH' then ChildTradeItem/gtin must be empty.	
201	If grossWeight is not empty and netWeight is not empty then grossWeight must be greater than or equal to netWeight.	
203	dataRecipient must not be empty.	
204	If targetMarketCountryCode does not equal '528' (Netherlands) and isTradeItemADespatchUnit equals 'true' then grossWeight shall be greater than '0'.	
312	isTradeItemAnOrderableUnit must be equal to 'true' for at least one item in a Catalogue Item Notification Message.	
314	If minimumTradeItemLifespanFromTimeOfProduction is not empty and minimumTradeItemLifespanFromTimeOfArrival is not empty then minimumTradeItemLifespanFromTimeOfProduction must be greater than or equal to	
325	If targetMarketCountryCode equals ('008' (Albania), '051' (Armenia), '031' (Azerbaijan), '040' (Austria), '112' (Belarus), '056' (Belgium), '070' (Bosnia-Herzegovina), '100' (Bulgaria), '191' (Croatia), '196' (Cyprus), '203' (Czech Republic), '208' (Denma	
382	If ChildTradeItem/gtin is empty then attribute isTradeItemABaseUnit must be equal to 'true'.	
383	If ChildTradeItem/gtin is not empty then attribute isTradeItemABaseUnit must be equal to 'false'.	

This form allows you to quickly search for Validation Rules that are part of the Global Data Model (GDM).

SEARCHING

The field in the header section allows you to enter the Validation Rule Number of the rule you are looking for.

You don't have to enter the full VR Number, any part of it is enough.

E.g. entering "15" as search term, could return the Validation Rules with Id 156 1615 2315 1156.

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 SEARCH button is required to retrieve the results.

At any point you can perform a new search. Any new search is always against the full set of Validation Rules in GDM, so "refining a search" is not possible.

The text in orange underneath the GDM logo shows the number of Validation Rules returned by your search, as well as what the search term was that you have used to get these results.

REMOVE FILTERS

Every search results in a filter being applied to the total number of Validation Rules returned.

If you want to remove the filter and scroll through the full set of Validation Rules again, you can press on the button REMOVE FILTERS.

This results in all filters being removed.

It is not necessary to press REMOVE FILTERS before performing a new search.

EXPORT TO PDF

This button is only enabled after you have performed a search.

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the list of Validation Rules that match your search criteria.

VALIDATION RULE DETAIL

The bottom half of the screen shows Validation Rules from the GDM, either filtered or unfiltered.

In orange you see the Rule Number of the Validation Rule.

Next to it, you see the full Validation Rule itself.

Clicking on any part of the record opens a new form: the Validation Rule Detail Form.

This form gives you the detailed GDM and GDSN technical information for the Validation Rule, as well as a list of all GDM Attributes together with their BMSId related to this Validation Rule.

MAIN MENU

Clicking on the Main Menu button closes this form and returns you to the main menu of the GDM Interim Navigator.

2.4.2 Details Of Validation Rule



GS1 Global Data Model

VALIDATION RULE DETAILS

Rule ID # 96

Close
Help

Export (PDF)

Structured Rule

If tradeItemUnitDescriptor is equal to 'BASE_UNIT_OR_EACH' then ChildTradeItem/gtin must be empty.

Error Message Description

A parent item with a tradeItemUnitDescriptorCode of BASE_UNIT_OR_EACH may not contain a child item.

GDSN Target Market Scope

Global

Example of Data that will PASS

Example of Data that will FAIL

Attributes related to this Validation Rule

BMS Id #	Business Name
203	GTIN (Global Trade Item Number) of the Contained Product
66	Packaging Level Code

This form provides the details of the validation rule marked in orange at the top of the screen.

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 structured rule is the validation rule itself.

The error message is the GDSN error message, and where it exists, we also provide the Global Data Model business friendly error message.

The GDSN Target Market Scope shows in which target market 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".

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

The last part, attributes related to this Validation Rule shows all GDM attributes that are either a prerequisite for this rule or are impacted by it.

EXPORT TO PDF

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.
Your file is saved as a PDF, and contains the details of the selected Validation Rule.

CLOSE

Clicking on the button CLOSE, closes this screen and returns you to the previous screen.

2.5 GDM by Category



This form allows you to see the Global Data Model for a Specific Category or Sub-Category, while at the same time, allowing you to filter by Layer, Mandatory/Conditional status or Region.

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 SHOW MODEL button becomes enabled and you can click on it to see the GDM Model for your choice of Category.

If the Category you chose has sub-categories assigned to it, the Sub-Category dropdown is enabled.

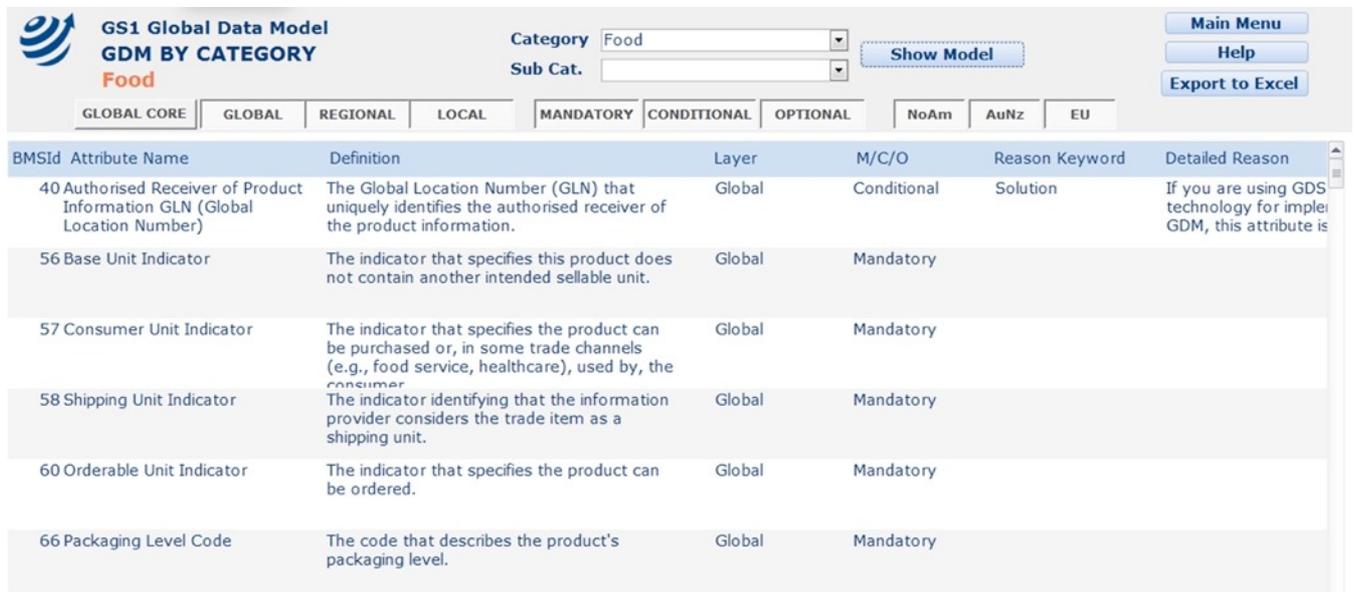
SUB-CATEGORY

If you want to, you can choose a sub-category for Food or Near-Food to see that specific model.

You can click on the SHOW MODEL button to show the model.

SHOW MODEL

When you click on the SHOW MODEL button, the system shows you the GDM Model for your choice of Category or Sub-Category.



BMSId	Attribute Name	Definition	Layer	M/C/O	Reason Keyword	Detailed Reason
40	Authorised Receiver of Product Information GLN (Global Location Number)	The Global Location Number (GLN) that uniquely identifies the authorised receiver of the product information.	Global	Conditional	Solution	If you are using GDS technology for imple GDM, this attribute is
56	Base Unit Indicator	The indicator that specifies this product does not contain another intended sellable unit.	Global	Mandatory		
57	Consumer Unit Indicator	The indicator that specifies the product can be purchased or, in some trade channels (e.g., food service, healthcare), used by the consumer.	Global	Mandatory		
58	Shipping Unit Indicator	The indicator identifying that the information provider considers the trade item as a shipping unit.	Global	Mandatory		
60	Orderable Unit Indicator	The indicator that specifies the product can be ordered.	Global	Mandatory		
66	Packaging Level Code	The code that describes the product's packaging level.	Global	Mandatory		

The fields displayed are:

- BMS Id
- Business friendly name of the attribute
- Business friendly definition of the attribute
- The layer of the Category chosen
- The Mandatory/Conditional/Optional status of the attribute

- If the attribute is Conditional, a reason keyword for when the attribute becomes mandatory
- If the attribute is Conditional, the full explanation as to when the attribute becomes mandatory.
- Whether the attribute applies to the North America region or not
- Whether the attribute applies to the Australia/New Zealand region or not
- Whether the attribute applies to the Europe region or not



Above the displayed attributes are toggle buttons.

These toggle buttons are all set to True (Include in model) at the start.

When you click on a toggle button, and the button state is not pressed in, the condition stated by the button is EXCLUDED from the result set.

E.g. if the OPTIONAL button is not sunk, it means the optional attributes have been excluded from the result set.

Special case: when you toggle the GLOBAL CORE button to ON, all other buttons become OFF and the attributes are filtered to only show the GLOBAL CORE attributes.

Toggleing the GLOBAL CORE button to OFF, makes all other buttons go back to the ON state, and you see the full model for your choice.

LOCAL LAYER

All attributes in the local layer for a particular model are at this point NOT assigned to a Region, NOT assigned to Sub-Categories, ARE assigned to Categories.

The attributes that are currently local in the GDM date back to the initial input into the models.

As the GDM progresses, we will have a better view as to which attributes are really used in countries, and the results for local attributes will become more reliable. Your mileage may currently vary.

EXPORT TO EXCEL

Clicking on this button exports the currently selected model, inclusive of any filters that you may have applied.

The system asks you for a location to save the Excel file (not the name for the file) and then writes the Excel to your chosen location.

Upon success, the system will tell you so.

MAIN MENU

When clicking on the MAIN MENU button, this form closes and you are returned to the main menu.

2.6 GPC Brick Mapping to GDM (Sub-) Categories



(Sub-) Category	GPC Brick	GPC Brick Description	[CLICK ON BRICK TO SEE DETAIL]	Export 2 Excel
Dairy Refrigerated & Frozen	10000025	Milk (Perishable)		
Dairy Refrigerated & Frozen	10000026	Milk (Shelf Stable)		
Dairy Refrigerated & Frozen	10000027	Milk (Frozen)		
Dairy Refrigerated & Frozen	10000028	Cheese (Perishable)		
Dairy Refrigerated & Frozen	10000029	Cheese (Shelf Stable)		
Dairy Refrigerated & Frozen	10000030	Cheese (Frozen)		
Dairy Refrigerated & Frozen	10000167	Butter (Frozen)		
Dairy Refrigerated & Frozen	10000168	Butter (Perishable)		
Dairy Refrigerated & Frozen	10000169	Butter (Shelf Stable)		
Dairy Refrigerated & Frozen	10000188	Cream (Frozen)		
Dairy Refrigerated & Frozen	10000189	Cream (Perishable)		
Dairy Refrigerated & Frozen	10000190	Cream (Shelf Stable)		
Dairy Refrigerated & Frozen	10000191	Dairy Based Drinks – Ready to Drink (Perishable)		
Dairy Refrigerated & Frozen	10000192	Dairy Based Drinks – Ready to Drink (Shelf Stable)		
Dairy Refrigerated & Frozen	10000214	Ice		
Dairy Refrigerated & Frozen	10000215	Ice Cream/Ice Novelties (Frozen)		
Dairy Refrigerated & Frozen	10000216	Ice Cream/Ice Novelties (Shelf Stable)		
Dairy Refrigerated & Frozen	10000277	Yogurt (Frozen)		
Dairy Refrigerated & Frozen	10000278	Yogurt (Perishable)		
Dairy Refrigerated & Frozen	10000279	Yogurt (Shelf Stable)		

2.6.1 Main Screen

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.

SEARCHING BY (SUB-) CATEGORY

When opening this form, by default, the box for "All GDM Categories & Sub-Categories" is checked.

This means that the list of all GPC Bricks assigned to GDM Categories and Sub-Categories is shown.

By unchecking this checkbox, the Category dropdown is enabled. 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.

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

Clicking on the SET FILTER button applies the filter.

The system returns the GPC Bricks that apply to your search criteria. At the top left, in orange, you see the number of bricks that are in the filtered set, as well as what filter was applied.

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 SEARCH button 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 go back to the initial set of GPC Bricks. (See: RESET FORM)

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.



GPC Segment	50000000	Food/Beverage/Tobacco
GPC Family	50130000	Milk/Butter/Cream/Yogurts/Cheese/Eggs/Substitutes
GPC Class	50132000	Cream/Cream Substitutes
GPC Brick	10000188	Cream (Frozen)

Assigned to GDM (Sub-) Category: Dairy Refrigerated & Frozen

Close

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 FORM.

This results in all filters being removed.

It is not necessary to press RESET FORM before refining a previous search.

MAIN MENU

Clicking on the Main Menu button closes this form and returns you to the main menu of the GDM Interim Navigator.

EXPORT 2 EXCEL

Clicking on the button EXPORT 2 EXCEL performs an export of the currently selected GPC Bricks to an excel file.

The system asks you for a file location, not a file name.

After a message of the system that the export was successful, you can use your Windows Explorer to navigate to the exported Excel file.

2.7 GDM Attribute Usage Comparison



This form performs a comparison between 2 GDM Models.

If you wish to compare 2 saved profiles, please go back to the main menu and select "GDM Saved Profile Comparison".

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

- Category
- Sub-Category
- Region
- Country

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.

It is important to understand that not all combinations of parameters get meaningful results when comparing.

What we currently have data in the models for Category with Sub-Category, Category with Region or Category with Country.

We do not have any models for individual countries,yet.

Please note that you need to fill out parameters for Model 1 and Model 2.

Once you have filled out enough parameters for both Model 1 and Model 2, the Compare button is enabled.

If you want to clear all parameter fields, click on RESET PARAMETERS. Please note that this also removes the comparison table if it was visible.

COMPARE



**GS1 Global Data Model
GDM Attribute Usage
Comparison**

[Main Menu](#)

[Export Comparison](#)

[Help](#)

Model 1

Category:

Sub-Category:

Region of Sale:

Country of Sale:

Model 2

Category:

Sub-Category:

Region of Sale:

Country of Sale:

[Compare](#) [Reset Parameters](#)

BMSId	GDM Business Name	Food_NoAm	Food_EU
370	Allergen Statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
373	Allergen Declarations Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
879	Percent of Milk Fat In Dairy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
880	Homogenised Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
912	Fish Scientific Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
914	Fishing Gear Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
915	Fish Production Method Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
916	Fish Storage State Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1152	Tax Type Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1175	Tax Category Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1258	Genetically Modified Declaration Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Clicking on the COMPARE button results in a list of attributes that only exist in 1 of the 2 models you selected.

This may be a long list, or in certain cases, the models may be identical, so no records are shown.

The records in the result list all have the following information:

- BMSId
- GDM Business Name
- And then a check box for each of the two models. If a checkbox is checked, it means that the corresponding model has the attribute. If the checkbox is unchecked, it means that the attribute does not belong to the model.

EXPORT COMPARISON

By clicking on the EXPORT COMPARISON button, you export the result table to Excel.

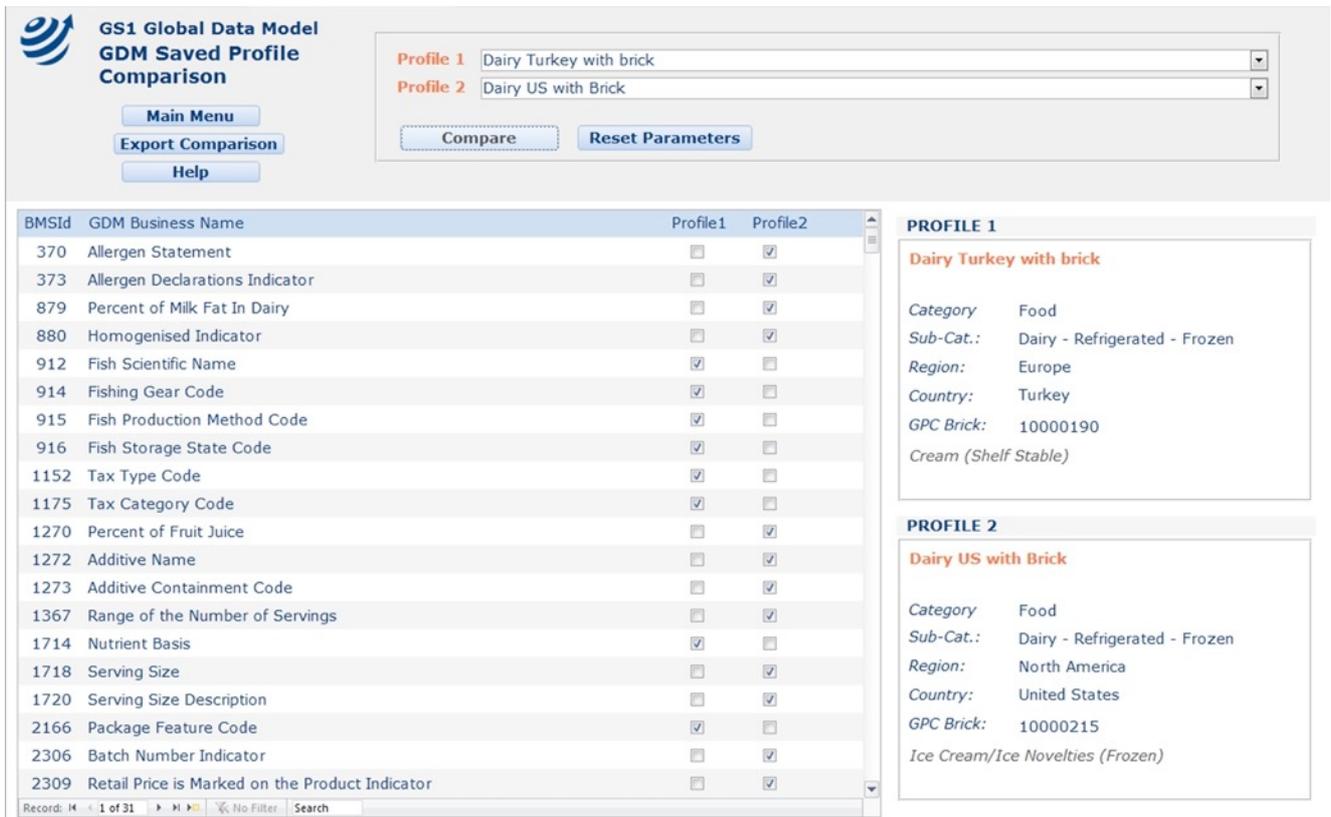
The system asks you the location where you would like to save the Excel file and then does that.

After a message of successful completion, you can use your Windows Explorer to navigate to the exported Excel, and open it with Excel.

MAIN MENU

By clicking on the MAIN MENU button, the current screen is closed, and you are returned to the Main Menu of the Interim GDM Navigator.

2.8 GDM Saved Profile Comparison



**GS1 Global Data Model
GDM Saved Profile
Comparison**

Main Menu
Export Comparison
Help

Profile 1: Dairy Turkey with brick
Profile 2: Dairy US with Brick

Compare Reset Parameters

BMSId	GDM Business Name	Profile1	Profile2
370	Allergen Statement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
373	Allergen Declarations Indicator	<input type="checkbox"/>	<input checked="" type="checkbox"/>
879	Percent of Milk Fat In Dairy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
880	Homogenised Indicator	<input type="checkbox"/>	<input checked="" type="checkbox"/>
912	Fish Scientific Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
914	Fishing Gear Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
915	Fish Production Method Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
916	Fish Storage State Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1152	Tax Type Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1175	Tax Category Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1270	Percent of Fruit Juice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1272	Additive Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1273	Additive Containment Code	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1367	Range of the Number of Servings	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1714	Nutrient Basis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1718	Serving Size	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1720	Serving Size Description	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2166	Package Feature Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2306	Batch Number Indicator	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2309	Retail Price is Marked on the Product Indicator	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Record: 1 of 31 No Filter Search

PROFILE 1
Dairy Turkey with brick

Category: Food
Sub-Cat.: Dairy - Refrigerated - Frozen
Region: Europe
Country: Turkey
GPC Brick: 10000190
Cream (Shelf Stable)

PROFILE 2
Dairy US with Brick

Category: Food
Sub-Cat.: Dairy - Refrigerated - Frozen
Region: North America
Country: United States
GPC Brick: 10000215
Ice Cream/Ice Novelties (Frozen)

This form allows you to make a comparison between two profiles that you have saved.

If you have not saved two profiles yet, the system will tell you that there are not enough profiles to make a comparison, close the form and return you to the Main Menu.

SELECT PROFILE 1 & 2

The top part of the form consists of two drop down lists, containing the list of profiles that you have already saved.

You have to select two profiles to compare, and then the COMPARE button is enabled.

After selecting a profile from the dropdown list, the parameter information for the profile selected is added to the corresponding box in the bottom half of the screen to the right.

COMPARE

Once you have selected two profiles, you can click on the COMPARE button.

This results in a list being shown in the bottom half of the screen, of all attributes that are selected for only 1 of the 2 profiles.

Please note that this list of attributes is created from a set of all attributes applying to the profiles: Mandatory, Conditional and Optional.

If both profiles use the exact same attributes, the system send a message saying the 2 profiles are identical and that there is nothing to display.

If they are different, you see the list of attributes that are true for either Profile 1 or Profile 2.

A checked checkbox under a profile means it is used in that profile.

An unchecked checkbox under a profile means that the profile is not using it.

Also, as a result of a comparison being available, the button EXPORT COMPARISON is enabled, unless there are no different attributes resulting from the comparison.

RESET PARAMETERS

If you would like to use other profiles you can click on RESET PARAMETERS to reset the whole of the GDM SAVED PROFILE COMPARISON form.

EXPORT COMPARISON

Once a comparison has been made between 2 profiles and there are attributes different between Profile 1 and Profile 2, the button EXPORT COMPARISON is enabled.

Clicking the button exports the differences between the two profiles to an Excel file.

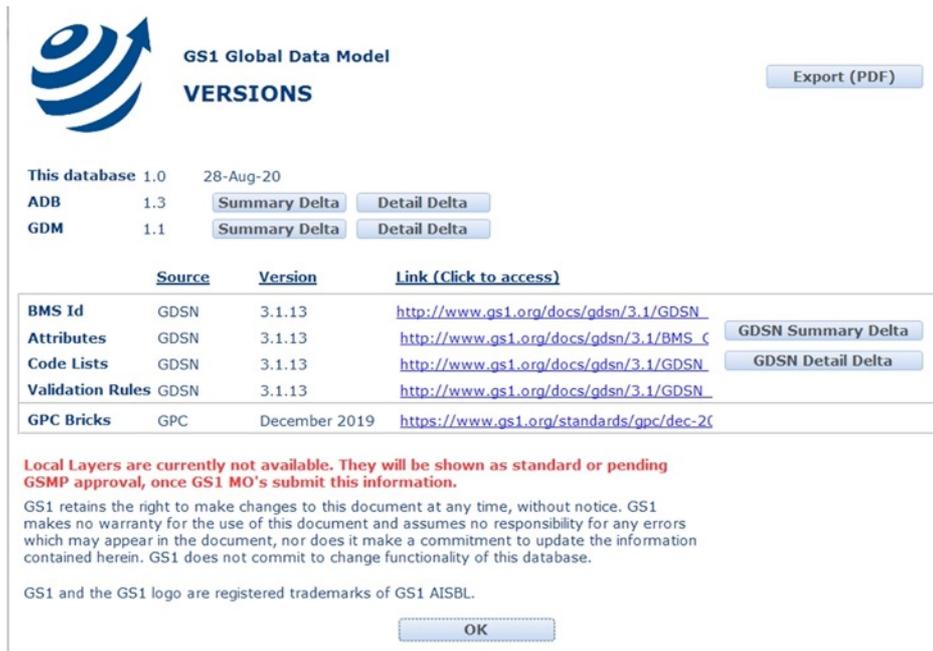
The system asks you where to save the file (not the file name) and then proceeds with the export.

Once the export has been completed, the system lets you know the file has been exported.

MAIN MENU

Clicking on the MAIN MENU button closes this window and returns you to the Main Menu.

2.9 Versions



GS1 Global Data Model
VERSIONS

Export (PDF)

This database 1.0 28-Aug-20

ADB 1.3 [Summary Delta](#) [Detail Delta](#)

GDM 1.1 [Summary Delta](#) [Detail Delta](#)

	Source	Version	Link (Click to access)
BMS Id	GDSN	3.1.13	http://www.gs1.org/docs/gdsn/3.1/GDSN
Attributes	GDSN	3.1.13	http://www.gs1.org/docs/gdsn/3.1/BMS
Code Lists	GDSN	3.1.13	http://www.gs1.org/docs/gdsn/3.1/GDSN
Validation Rules	GDSN	3.1.13	http://www.gs1.org/docs/gdsn/3.1/GDSN
GPC Bricks	GPC	December 2019	https://www.gs1.org/standards/gpc/dec-2019

[GDSN Summary Delta](#) [GDSN Detail Delta](#)

Local Layers are currently not available. They will be shown as standard or pending GSMP approval, once GS1 MO's submit this information.

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OK

This form shows you the sources of the different components on the Interim Navigator.

Clicking on the hyperlinks allows you to download from the original source.

With every update to the data used in the Interim Navigator, this screen is updated.

Please note that there are Delta Reports available for ADB, GDM and GDSN to show the changes compared to their previous release and how they impact GDM.

Two types of reports are available: Summary and Detail.

EXPORT TO PDF

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.

DO NOT ADD AN EXTENSION TO THE FILENAME. The system will do that for you.

Your file is saved as a PDF, and contains the details of the data sources and their version/release info.

2.10 Maintenance Menu



This menu gives access to special maintenance functions.
Please do not use unless instructed to do so.

2.10.1 ERROR LOG

Clicking this button opens a form showing the current error log.



Log ID	Date	Form	Line	Error #	Description
93	8/7/2020 8:36:40 AM	frmSearchCLCVAtt	1610	2176	The setting for this property is too long.

This form captures all errors logged by the Interim Navigator. It is meant for the developer to retrieve the information required to fix any bugs.

The fields in this form are:

- Log ID
- Date
- Error #
- Description
- Form
- Procedure
- Line
- Parameters

LOG ID

Numeric Identification of the record containing the error.

DATE

The date and time on which the error was logged.

ERROR #

Numeric representation of the system error that occurred.

DESCRIPTION

A system description of the error that occurred.

FORM

The form/screen in which the error occurred.

PROCEDURE

The name of the procedure or function where the error occurred.

LINE

The number of the line of code where the error occurred.

PARAMETERS

If available, the parameters related to the error.

EXPORT ERROR LOG

Clicking on the Export Error Log button exports the current error log to an Excel file.

You may be asked by the developer to export the log of errors so he can fix the errors.

Please send the exported excel file to mark.vaneeghem@gs1.org.

2.10.2 EXPORT PROFILES

This button exports all currently saved profiles to an Excel file.

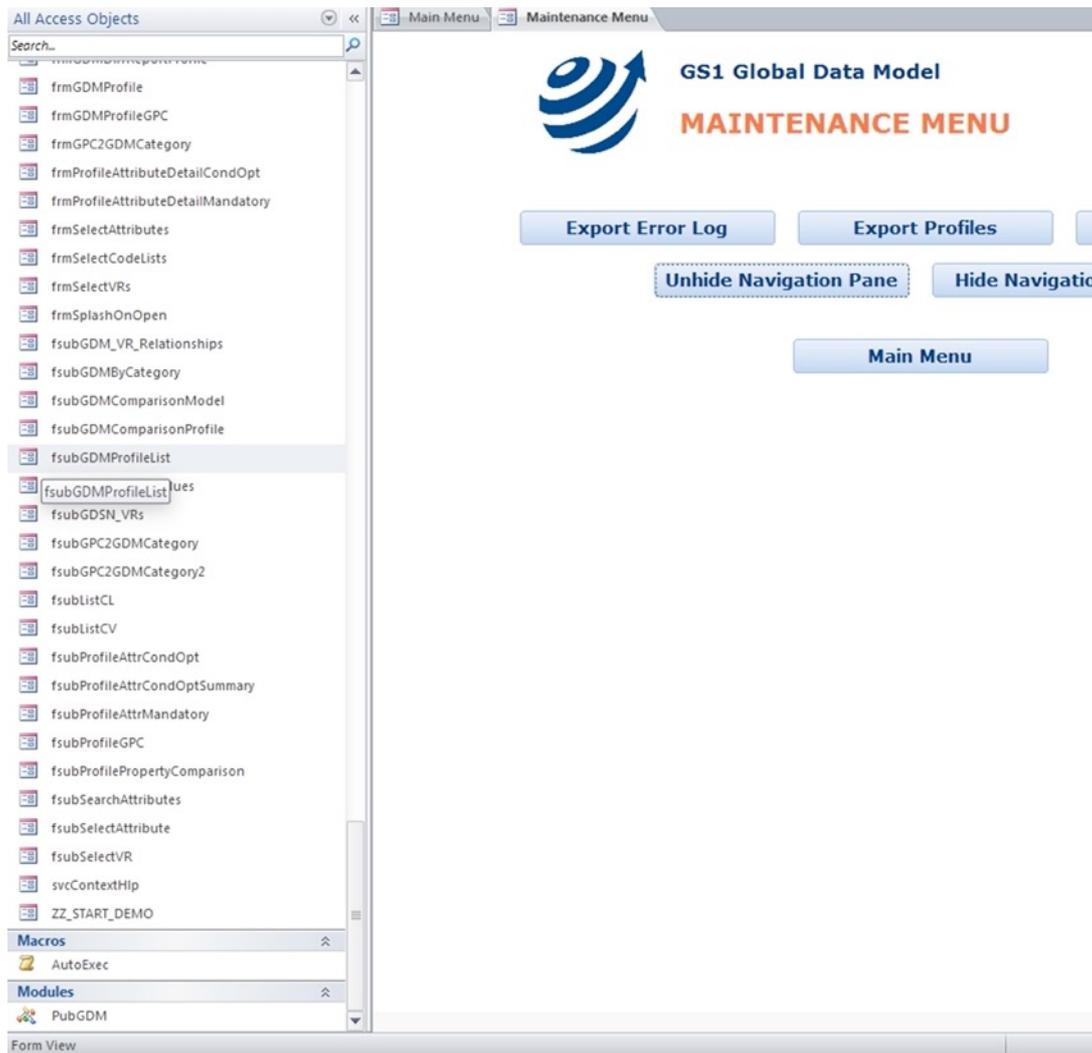
This functionality is only required if a new version of the database is made available.

When upgrading, you will be requested to export your profiles from this version of the database and then import it into the new version of the database.

2.10.3 IMPORT PROFILES

This button is disabled by design, and is only required in a new version of the db for importing the saved profiles you exported into the new database.

2.10.4 UNHIDE NAVIGATION PANE



The standard Access Navigation Pane allows you to access all Access Objects.

Please only use if you have inadvertently closed all windows.

In that case, look in the navigation pane for the section "MACROS" and double click on "AutoExec" to relaunch the main menu.

2.10.5 HIDE NAVIGATION PANE

Hides the standard Access Object list. This is done by default when launching the database.

2.10.6 MAIN MENU

Clicking this button closes the MAINTENANCE MENU and opens the MAIN MENU.