

Issue #96: Remove duplication in Classification objects

There is a GSIM annex on Statistical Classification, which provides additional information on implementing the GSIM classification objects. For example, the attribute lists includes attributes that are inherited.

At the moment, all this detail is also included in GSIM.

(NB: separate issue for whether these attributes should be on Node Set or Statistical Classification, and Node vs Classification Item)

The work below tries to detail where changes should be made to [GSIM attributes](#) so to keep the modelling correct and consistent, but also to make it still useable to non-modellers. Note the additional detail/specification will be kept in the classification annex.

Summary

Current	Proposal	Affects
Owner	Base Group: Role	Classification Series, Correspondence Table
Release date	Administrative Details: attribute -> Created Date	Classification Index
Termination date	Administrative Details: attribute -> Valid Until	Statistical Classification
Maintenance unit	Base Group: Role	Statistical Classification, Classification Index, Correspondence Table
Contact persons	Base Group: Agent in Role	Statistical Classification, Classification Index, Correspondence Table
Publications	Administrative Details: attribute -> Documentation	Statistical Classification, Classification Index, Correspondence Table
Changes from previous version or update	Base Group: Change Event or Change Event Tuple	Statistical Classification
Changes from base Statistical Classification	Base Group: Change Event or Change Event Tuple	Statistical Classification
Changes from previous version of the Statistical Classification	Base Group: Change Event or Change Event Tuple	Classification Item
Identifier	Identifiable Artefact: : attribute -> Id	Correspondence Table
Alternative names	Administrative Details: attribute -> Alias	Classification Item
Explanatory notes	Concept Group: Explanatory notes	Statistical Classification
Valid from	Administrative Details: attribute -> Valid From	Classification Item, Map, Classification Index Entry
Valid to	Administrative Details: attribute -> Valid Until	Classification Item, Map, Classification Index Entry

Classification Family

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact
Description		
		Update description to use standard text

Classification Series

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact
Description		
		Update description to use standard text
Context		No change
Objects/units classified		No change
Subject areas		No change

Owners		There is an object in the Base Group called "role": The responsible function involved in the statistical Business Process.
Keywords		No change

[Statistical Classification](#) (NB: separate issue for whether these attributes should be on Node Set or Statistical Classification)

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact
Description		Update description to use standard text
Introduction	The introduction provides a detailed description of the <i>Statistical Classification</i> , the background for its creation, the classification variable and objects/units classified, classification rules etc.	Change Statistical Classification to NodeSet
Release date	Date on which the <i>Statistical Classification</i> was released.	This is an attribute that can be inherited from Administrative Details: Created Date: The date on which the information object was created Update description to use standard text - Make a note of inheritance
Termination date	Date on which the <i>Statistical Classification</i> was superseded by a successor version or otherwise ceased to be valid.	This is an attribute that can be inherited from Administrative Details: Valid Until - "The date on which the information object is no longer effective or valid." Update description to use standard text - Make a note of inheritance
Current	Indicates whether or not the <i>Statistical Classification</i> is currently valid.	Change Statistical Classification to NodeSet
Maintenance unit	The unit or group of persons within the organisation who are responsible for the <i>Statistical Classification</i> (i.e, for maintaining, updating and changing it).	There is an object in the Base Group called "role": The responsible function involved in the statistical Business Process.
Contact persons	Person(s) who may be contacted for additional information about the <i>Statistical Classification</i> .	There is an object in Base Group call "Agent In Role" Definition: Reflects an agent acting in a specific role. Explanatory Text: An Agent In Role may apply to either type of Agent - an Organization or Individual. The object is intended to reflect a single Agent acting in a single Role and as such is a very unambiguous representation. A common example would be to identify which Individuals or departments within an Organization provide administrative data.
Legal base	Indicates that the <i>Statistical Classification</i> is covered by a legal act or by some other formal agreement.	Change Statistical Classification to NodeSet
Publications	A list of the publications, including print, PDF, HTML and other electronic formats, in which the <i>Statistical Classification</i> has been published.	This is an attribute that can be inherited from Administrative Details: Documentation - "An official document or paper that has been published by an organization. " Update description to use standard text - Make a note of inheritance
Name types	A list of the defined types of alternative item names available for the <i>Statistical Classification</i> . Each name type refers to a list of alternative item names.	Change Statistical Classification to NodeSet

Languages available	A <i>Statistical Classification</i> can exist in one or several languages. Indicates the languages available, whether the version is completely or partially translated, and which part is available in which language.	Change Statistical Classification to NodeSet
Copyright	<i>Statistical Classifications</i> may have restricted copyrights. Such <i>Statistical Classifications</i> might be excluded from downloading. Notes the copyright statement that should be displayed in official publications to indicate the copyright owner.	Change Statistical Classification to NodeSet
Dissemination allowed	Indicates whether or not the <i>Statistical Classification</i> may be published or otherwise disseminated (e.g. electronic dissemination).	Change Statistical Classification to NodeSet
Version	Indicates if the <i>Statistical Classification</i> is a version.	Change Statistical Classification to NodeSet
Update	Indicates if the <i>Statistical Classification</i> is an update.	Change Statistical Classification to NodeSet
Floating	Indicates if the <i>Statistical Classification</i> is a floating classification. In a floating statistical classification, a validity period should be defined for all <i>Classification Items</i> which will allow the display of the item structure and content at different points of time.	Change Statistical Classification to NodeSet, Classification Item to Node.
Predecessor	For those <i>Statistical Classifications</i> that are versions or updates, notes the preceding <i>Statistical Classification</i> of which the actual <i>Statistical Classification</i> is the successor.	Change Statistical Classification to NodeSet
Successor	Notes the <i>Statistical Classification</i> that superseded the actual <i>Statistical Classification</i> .	Change Statistical Classification to NodeSet
Changes from previous version or update	A summary description of the nature and content of changes from the preceding version or update. Specific changes are recorded in the <i>Classification Item</i> object under the "Changes from previous version and updates" attribute.	There is an object in the Base Group called "Change Event": A change event captures that a change has occurred. It identifies the information objects that have been affected, and the new information objects that have been created due to the change. "Change Event Tuple": A Change Event Tuple records which Identifiable Artefacts were changed by a Change Event. It keeps track of the source Identifiable Artefact(s) to which the Change Event was applied and the resulting target Identifiable Artefact(s).
Derived from	A <i>Statistical Classification</i> can be derived from one of the classification versions of another <i>Classification Series</i> . The derived <i>Statistical Classification</i> can either inherit the structure of the classification version from which it is derived, usually adding more detail, or use a large part of its <i>Classification Items</i> , rearranging them in a different structure. Indicates the classification version from which the actual <i>Statistical Classification</i> is derived.	Change Statistical Classification to NodeSet, Classification Item to Node. Not sure about series reference
Updates possible	Indicates whether or not updates are allowed within the classification version i.e. without leading to a new version. Indicate here what structural changes, if any, are permissible within a version. Note whether <i>Classification Items</i> can be added to the structure and whether they can be revalidated or invalidated. Such changes are more likely to be permissible in floating classifications. Also indicate whether changes to such things as <i>Classification Item</i> names and explanatory notes that do not involve structural changes are permissible within a version.	Change Statistical Classification to NodeSet, Classification Item to Node
Updates	Summary description of changes which have occurred since the most recent <i>classification</i> version or <i>classification</i> update came into force.	Remove classification
Variants available	Identifies any variants associated with this version.	No change
Variant	For those <i>Statistical Classifications</i> that are variants, notes the <i>Statistical Classification</i> on which it is based and any subsequent versions of that <i>Statistical Classification</i> to which it is also applicable.	Change Statistical Classification to NodeSet
Changes from base <i>Statistical Classification</i>	Describes the relationship between the variant and its base <i>Statistical Classification</i> , including regroupings, aggregations added and extensions.	There is an object in the Base Group called "Change Event": A change event captures that a change has occurred. It identifies the information objects that have been affected, and the new information objects that have been created due to the change. "Change Event Tuple": A Change Event Tuple records which Identifiable Artefacts were changed by a Change Event. It keeps track of the source Identifiable Artefact(s) to which the Change Event was applied and the resulting target Identifiable Artefact(s).

Purpose of variant	If the <i>Statistical Classification</i> is a variant, notes the specific purpose for which it was developed.	Change Statistical Classification to NodeSet
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Level

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Level number	The number associated with the Level. Levels are numbered consecutively starting with level 1 at the highest (most aggregated) Level.	No change
Level name	The name given to the Level.	No change
Number of items	The number of items (Categories) at the Level.	Issue #90: Attributes of Classification objects agrees to remove this attribute
Code type	Indicates whether the item code at the Level is alphabetical, numerical or alphanumerical.	No change
Code structure	Indicates how the code is constructed of numbers, letters and separators.	No change
Dummy code	Rule for the construction of dummy codes from the codes of the next higher level (used when one or several categories are the same in two consecutive levels).	No change
Items	An ordered list of the Categories (<i>Classification Items</i>) that constitute the Level.	Change Classification Item to Node

Correspondence Table

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Identifier	A Correspondence Table is identified by a unique identifier, which may typically include the identifiers of the versions or variants involved.	This is an attribute that can be inherited from Identifiable Artefact: Id: The unique identifier of the information object; assigned by the owner agency.. Update description to use standard text - Make a note of inheritance
Owners	The statistical office, other authority or section that created and maintains the Correspondence Table. A Correspondence Table may have several owners.	There is an object in the Base Group called "role": The responsible function involved in the statistical Business Process.
Maintenance unit	The unit or group of persons who are responsible for the Correspondence Table, i.e. for maintaining and updating it.	There is an object in the Base Group called "role": The responsible function involved in the statistical Business Process.
Contact persons	The person(s) who may be contacted for additional information about the Correspondence Table.	There is an object in Base Group call "Agent In Role" Definition: Reflects an agent acting in a specific role. Explanatory Text: An Agent In Role may apply to either type of Agent - an Organization or Individual. The object is intended to reflect a single Agent acting in a single Role and as such is a very unambiguous representation. A common example would be to identify which Individuals or departments within an Organization provide administrative data.
Publications	A list of the publications in which the Correspondence Table has been published.	This is an attribute that can be inherited from Administrative Details: Documentation - "An official document or paper that has been published by an organization. " Update description to use standard text - Make a note of inheritance
Source	The <i>Statistical Classification</i> from which the correspondence is made.	Change Statistical Classification to NodeSet

Target	The Statistical Classification(s) to which the correspondence is directed. There may be multiple Target Statistical Classifications associated with the Correspondence Table.	Change Statistical Classification to NodeSet
Source level	The correspondence is normally restricted to a certain Level in the source Statistical Classification . In this case, target items are assigned only to source items on the given level. If no level is indicated, target items can be assigned to any level of the source Statistical Classification .	Change Statistical Classification to NodeSet
Target level	The correspondence is normally restricted to a certain Level in the target Statistical Classification . In this case, source items are assigned only to target items on the given level. If no level is indicated, source items can be assigned to any level of the target Statistical Classification .	Change Statistical Classification to NodeSet
Relationship type	A correspondence can define a 1:1, 1:N, N:1 or M:N relationship between source and target items.	
Floating	If the source and/or target Statistical Classifications of a correspondence table are floating classifications, the date of the correspondence table must be noted. The correspondence table expresses the relationships between the two Statistical Classifications as they existed on the date specified in the table.	Change Statistical Classification to NodeSet

Classification Index

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Release date	Date when the current version of the Classification Index was released.	This is an attribute that can be inherited from Administrative Details: Created Date: The date on which the information object was created Update description to use standard text - Make a note of inheritance
Maintenance unit	The unit or group of persons within the organisation responsible for the Classification Index, i.e. for adding, changing or deleting Classification Index Entries.	There is an object in the Base Group called "role": The responsible function involved in the statistical Business Process.
Contact persons	Person(s) who may be contacted for additional information about the Classification Index.	There is an object in Base Group call "Agent In Role" Definition: Reflects an agent acting in a specific role. Explanatory Text: An Agent In Role may apply to either type of Agent - an Organization or Individual. The object is intended to reflect a single Agent acting in a single Role and as such is a very unambiguous representation. A common example would be to identify which Individuals or departments within an Organization provide administrative data.
Publications	A list of the publications in which the Classification Index has been published.	This is an attribute that can be inherited from Administrative Details: Documentation - "An official document or paper that has been published by an organization." Update description to use standard text - Make a note of inheritance
Languages	A Classification Index can exist in several languages. Indicates the languages available. If a Classification Index exists in several languages, the number of entries in each language may be different, as the number of terms describing the same phenomenon can change from one language to another. However, the same phenomena should be described in each language.	

Corrections	Verbal summary description of corrections, which have occurred within the Classification Index. Corrections include changing the item code associated with an Classification Index Entry.	
Coding Instructions	Additional information which drives the coding process for all entries in a Classification Index.	

[Classification Item](#) (NB: separate issue for whether these attributes should be on Node or Classification Item)

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Code	A Classification Item is identified by an alphabetical, numerical or alphanumerical code, which is in line with the code structure of the classification Level. The code is unique within the Statistical Classification to which the item belongs.	Change Statistical Classification to NodeSet, Classification Item to Node
Official name	A Classification Item has a name as provided by the owner or maintenance unit. The name describes the content of the category. The name is unique within the Statistical Classification to which the item belongs, except for categories that are identical at more than one level in a hierarchical classification.	Change Statistical Classification to NodeSet, Classification Item to Node
Alternative names	A Classification Item can be expressed in terms of one or several alternative names. Each alternative name is associated with a name type.	This is an attribute that can be inherited from Administrative Details: Alias: The alias or alia associated with the information object. Update description to use standard text - Make a note of inheritance
Explanatory notes	A Classification Item may be associated with explanatory notes, which further describe and clarify the contents of the Category. Explanatory notes consist of: General note: Contains either additional information about the Category, or a general description of the Category, which is not structured according to the "includes", "includes also", "excludes" pattern. Includes: Specifies the contents of the Category. Includes also: A list of borderline cases, which belong to the described Category. Excludes: A list of borderline cases, which do not belong to the described Category. Excluded cases may contain a reference to the Classification Items to which the excluded cases belong.	LIM proposed this to be a separate object with attributes of: • excludes • general note • includes • includes also
Level number	The number of the Level to which the item belongs.	
Generated	Indicates whether or not the item has been generated to make the level to which it belongs complete.	
Currently valid	If updates are allowed in the Statistical Classification , an item may be restricted in its validity, i.e. it may become valid or invalid after the Statistical Classification has been released. Indicates whether or not the item is currently valid.	Change Statistical Classification to NodeSet
Valid from	Date from which the item became valid. The date must be defined if the item belongs to a floating Statistical classification .	This is an attribute that can be inherited from Administrative Details: Valid From- "The date on which the information object is effective or valid." Update description to use standard text - Make a note of inheritance

Valid to	Date at which the item became invalid. The date must be defined if the item belongs to a floating Statistical classification and is no longer valid.	This is an attribute that can be inherited from Administrative Details: Valid Until - "The date on which the information object is no longer effective or valid." Update description to use standard text - Make a note of inheritance
Future events	The future events describe a change (or a number of changes) related to an invalid item. These changes may e.g. have turned the now invalid item into one or several successor items. This allows the possibility to follow successors of the item in the future.	
Changes from previous version of the Statistical Classification	Describes the changes, which the item has been subject to from the previous version to the actual Statistical Classification .	There is an object in the Base Group called "Change Event": A change event captures that a change has occurred. It identifies the information objects that have been affected, and the new information objects that have been created due to the change. "Change Event Tuple": A Change Event Tuple records which Identifiable Artefacts were changed by a Change Event. It keeps track of the source Identifiable Artefact(s) to which the Change Event was applied and the resulting target Identifiable Artefact(s).
Updates	Describes the changes, which the item has been subject to during the life time of the actual Statistical Classification .	Change Statistical Classification to NodeSet
Parent item	The item at the next higher level of the classification Statistical Classification of which the actual item is a sub item.	Change Statistical Classification to NodeSet
Sub items	Each item, which is not at the lowest level of the Statistical Classification , might contain one or a number of sub items, i.e. items at the next lower level of the Statistical Classification .	Change Statistical Classification to NodeSet
Linked items	Items of other classification versions or variants with which the item is linked, either as source or target, through Correspondence Tables.	
Case laws	Refers to identifiers of one or more case law rulings related to the Classification Item .	Change Classification Item to Node
Case law descriptions	Refers to descriptions of the above case laws	
Case law dates	Refers to date of above case laws	

[Map](#)

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Valid from	Date from which the Map became valid. The date must be defined if the Map belongs to a floating correspondence table.	This is an attribute that can be inherited from Administrative Details: Valid From- "The date on which the information object is effective or valid." Update description to use standard text - Make a note of inheritance
Valid to	Date at which the Map became invalid. The date must be defined if the Map belongs to a floating correspondence table and is no longer valid.	This is an attribute that can be inherited from Administrative Details: Valid Until - "The date on which the information object is no longer effective or valid." Update description to use standard text - Make a note of inheritance

[Classification index entry](#)

Current GSIM attributes	Description	Proposed
Name		These are the two attributes that every object inherits from Identifiable artefact Update description to use standard text
Description		
Text	Text describing the type of object/unit or object property.	
Valid from	Date from which the Classification Index Entry became valid. <i>The date must be defined if the Classification Index Entry belongs to a floating Classification Index.</i>	This is an attribute that can be inherited from Administrative Details: Valid From- "The date on which the information object is effective or valid." Update description to use standard text - Make a note of inheritance
Valid to	Date at which the Classification Index Entry became invalid. <i>The date must be defined if the Classification Index Entry belongs to a floating Classification Index and is no longer valid.</i>	This is an attribute that can be inherited from Administrative Details: Valid Until - "The date on which the information object is no longer effective or valid." Update description to use standard text - Make a note of inheritance
Coding Instructions	Additional information which drives the coding process. Required when coding is dependent upon one or many other factors.	