GSIM v1.2 main changes
What’s changed?

Some of main changes in GSIM v1.2 are listed by GSIM group below. Note that this list is not exhaustive, for full list of changes, see GSIM v1.2 Change Log.

For all GSIM Groups

- Attribute of an object that can be inherited/derived from its relationship with other object(s) was removed. For example,
  - attribute “Currently Valid” of object Classification Item was removed as it can be derived from Administrative Details
  - attribute “History” of object Statistical Program was removed as it can be derived from self-association relation "relates to", in conjunction with attribute “Description” which is inherited from Identifiable Artefact
- All value types for attributes were made consistent. GSIM v1.2 now has following 7 value types: Boolean, ControlledVocabulary, Date, DateTime, MultilingualText, Number and String
- Text in definition and explanatory text were reviewed and made consistent in terms of use of wording and vocabulary

Base Group

- 7 objects were added and 1 object was removed
  - Added: Agent In Role, Change Event, Change Event Tuple, Role, Owner, Contact and Maintainer
  - Removed: Agent Role
- Almost all GSIM objects were made as sub-type of Identifiable Artefact
- 9 new attributes were added for Administrative Details
- Relation “has input” between Identifiable Artefact and Assessment was removed
- Cardinality between Identifiable Artefact and Administrative Details was changed from 0..* to 0..1 (ending at Administrative Details)
- Definition of Agent was improved to align with PROV-O

Business Group

- 6 objects were added: Parameter Input, Process Execution Log, Process Metric, Process Support Input, Transformable Input and Transformed Output
- For 3 objects (Assessment, Statistical Program and Statistical Support Program), relation “has context of” with Subject Field (Concept Group) was added; redundant attribute “Subject Matter Domain” was removed
- Relation “implemented by” between Process Design and Process Step was added
- Relation “has” between Product and Statistical Program was added
- Cardinality between Statistical Program and Statistical Program Design was changed to 0..*

Concept Group

- 5 objects were added and 2 objects were removed
  - Added: Measurement Type, Measurement Unit, Sentinel Value Domain, Substantive Value Domain and Universe
  - Removed: Code Value and Sign
- Relation “contains” between Category Item and Category Set was removed as it can be derived from their super-types Node and Node Set
- Cardinality between Enumerated Value Domain and Code List is changed from 1..* to 0..* (ending at Code List)
- Explanatory text of Representative Variable is improved for clarity
- Relation “takes values from” between Enumerated Value Domain and Statistical Classification is added

Exchange Group

- 2 objects are added and 2 objects are removed
  - Added: Data Harvest and Statistical Register
  - Removed: Scraping Process Map and Web Scraping Channel
- Explanatory text of Exchange Channel is updated to include internal exchange

Structure Group

- Explanatory text of Attribute Component is updated to improve clarity
- Several attributes are added to Attribute Component, Identifier Component and Dimensional Data Set

What documents are available for GSIM v1.2?

Currently, the model is available in EA and Clickable UML diagrams and Glossary are available in Word file. Other supporting documents will be made available on UNECE Statistics Wiki - GSIM as they are ready.
• GSIM 1.2 release notes.docx
• GSIM change log.xlsx