S-100 GI Registry 3.0 edition

S-100WG / KHOA

Presented by Vice chair S-100WG (Yong BAEK)

GI registry Improvement (1/10)

- **Status of the GI registry**
  - 1st phase: Initial interface and DB for FCD (~2015)
  - 2nd phase: Update FCD, new Portrayal register (2015~2016)
  - 3rd phase: new Concept register, new GI registry (2017~)

- **New results of 3rd phase**
  - Concept register
  - Improve approval process (Data Dictionary register, Portrayal register)
  - Other registers (Producer code, Product specification)
  - Test Bed

2nd S-100 GI Registry

1. FCD Register
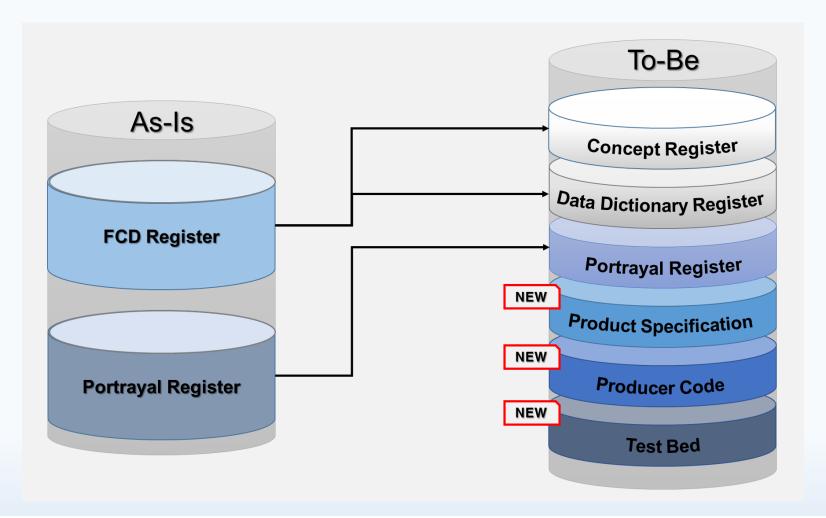2. Portrayal Register

3rd S-100 GI Registry

1. Concept Register
2. Data Dic. Register
3. Portrayal Register
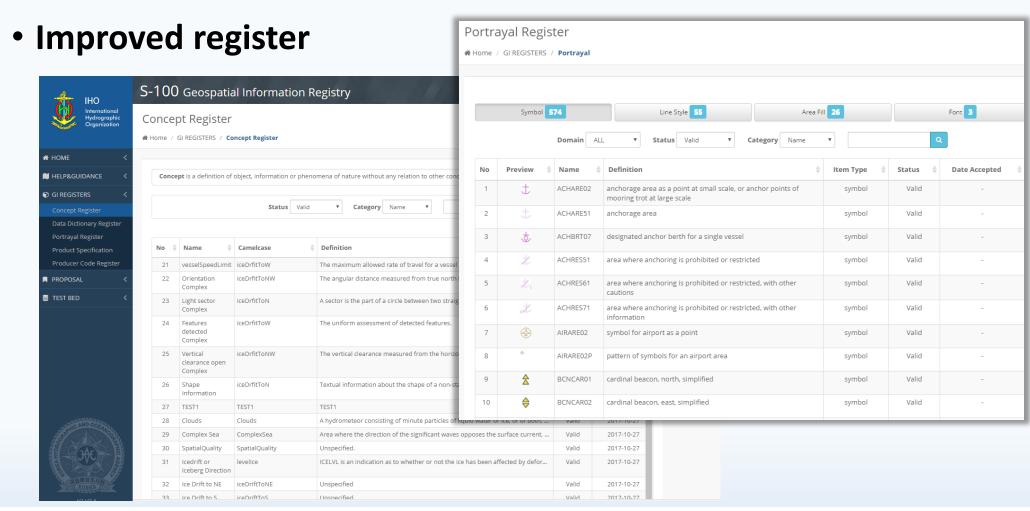4. Product Specification
5. Producer Code
6. Test Bed

- **Modified DB**
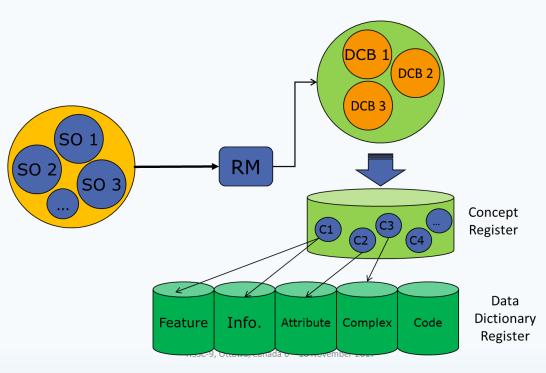
GI registry Improvement (4/10)
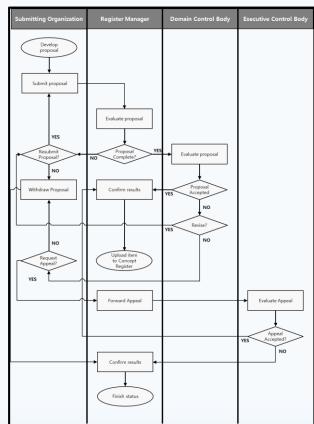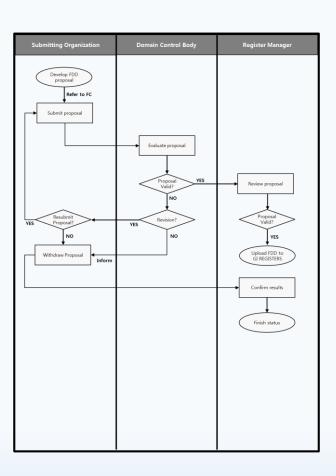
- **Improved register**

GI registry Improvement (5/10)

- **Proposal process**

GI registry Improvement (6/10)

- **Concept register**

    Present FCD register has non-harmonized data issue which various overlapped items have been consistently proposed in different domains even if their name, definition and camelcase is the same. CR has been introduced which common matters (name, definition, camelcase, etc.) are registered in concept step to fix this issue.

- **Data Dictionary Register**

    In DD register, concepts which were registered in CR could be registered into registry database by designating its item type (eg. feature or attribute, etc.) and submitting additional information.

GI registry Improvement (7/10)

- **Portrayal Register**

  Presentation colour of symbols has been improved by CSS (Cascading Style Sheets) file replacement and this improvement had a validation check through test registry server. Preview image error of BLOB type was fixed using images from 7Cs.

- **Product Specification Register**

  Product specification register has been introduced to manage various products based on S-10X and share product specification files for related S-100 systems.

GI registry Improvement (8/10)

- **Producer Code Register**

  The producer code service will be developed in the GI registry as present IHO data producer codes website.

- **Test Bed**

  Test bed webpage will be developed in order to share the test catalogue and test data sets for developing Product Specifications.

- **Guidance and Repository**

  Various of guideline, manual, IHO standards are provided through the Guidance page. All users of registry can download these documents.

  Repository page is for software, tools related to S-10X standard, product specification, S-100 infrastructure.

- **Notification and Status Information**

  At the main page of registry, users may check registered proposal at each register and development status of product specification. Administrator of registry can note a brief notification about registry.

GI registry Improvement (10/10)

- **New interface (Demo)**