Test Strategy Meeting 10

S-100 Tools Operation and Update

Agenda Item 8.5

12 - 15 March 2024 / Monaco, IHO

- S-100 Tools
  - Developed to support the development of S-100 product specifications
  - Some tools required updates according to S-100 5.2
  - Tutorials and user manuals

- Operation case and future plan
  - Operation cases and future plans for S-100 Tools
  - FCB/PCB updates

- IALA WWA (World Wide Academy)
  - much interest in the development and application of product specifications in the domains of AtoN and VTS
  - S-200 pilot training sessions
  - UKHO, PRIMAR, and KRISO participated as instructors
  - Members of IALA's AtoN and VTS domain (PS developers)
- S-100 toolkits and production tools
  - S-100 standard toolkits from the IHO GI Registry
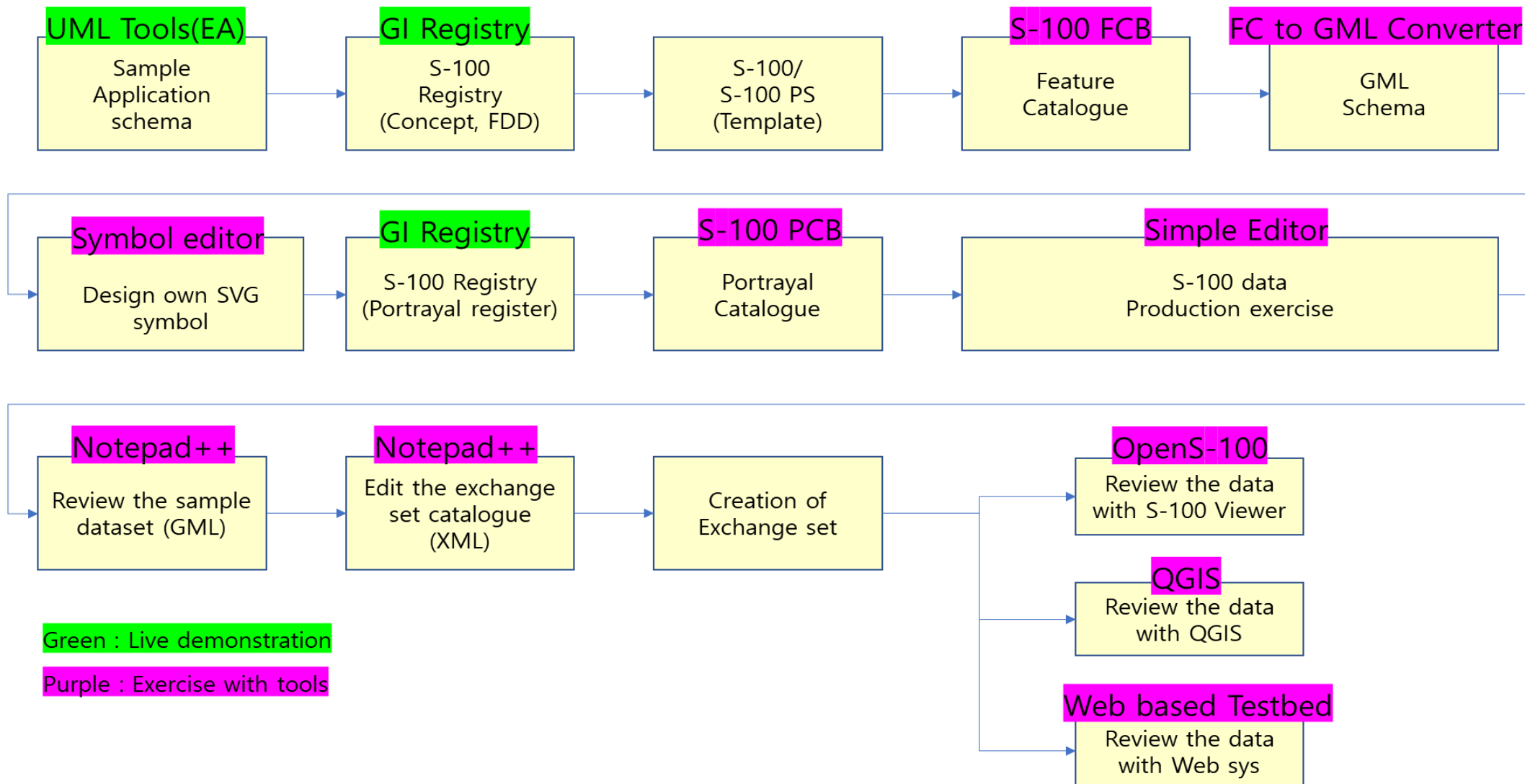 - Simple editor, OpenS-100, and Web-based testbed were used

International
Hydrographic
Organization

• Step of pilot training

UML Tools(EA)	GI Registry		S-100 FCB	FC to GML Converter
Sample Application schema	S-100 Registry (Concept, FDD)	S-100/ S-100 PS (Template)	Feature Catalogue	GML Schema

Symbol editor	GI Registry	S-100 PCB	Simple Editor
Design own SVG symbol	S-100 Registry (Portrayal register)	Portrayal Catalogue	S-100 data Production exercise

Notepad++	Notepad++		OpenS-100
Review the sample dataset (GML)	Edit the exchange set catalogue (XML)	Creation of Exchange set	Review the data with S-100 Viewer

QGIS
Review the data with QGIS

Green : Live demonstration

Purple : Exercise with tools

Web based Testbed
Review the data with Web sys

- ## Plans of S-100 Tools
  - Using S-100 Tools, the components of below product specifications will be updated for validation purpose with IHO GI Registry
  - Components: FC, PC, DCEG, GML Schema, SVG Symbol
  - Target PS: S-128 (Phase 1), S-130, S-122/S-125(Phase 2), S-201
  - Support Phase 1 product PT to use the S-100 Tools
- ## S-100 tools Materials
  - KHOA plans to prepare the following items so that S-100 based PS developer can better utilize S-100 Tools.
  - S-100 Tools user manual
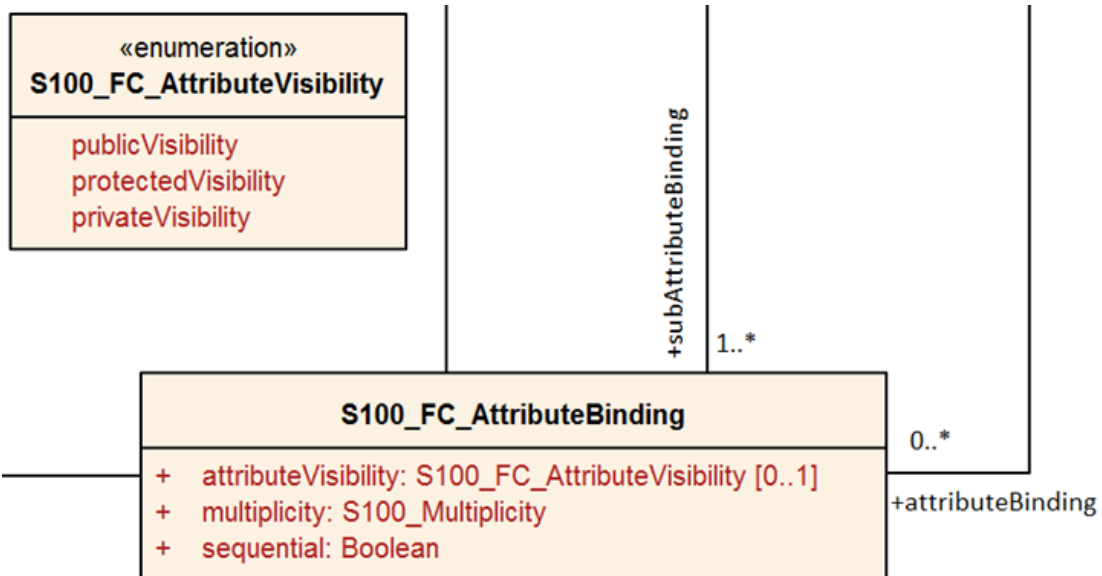 - S-100 Tools tutorial
  - S-100 Tools movie to support users

- FCB Update details
  - Support for editing Attribute Visibility added in S-100 5.2.0
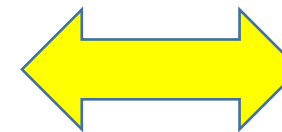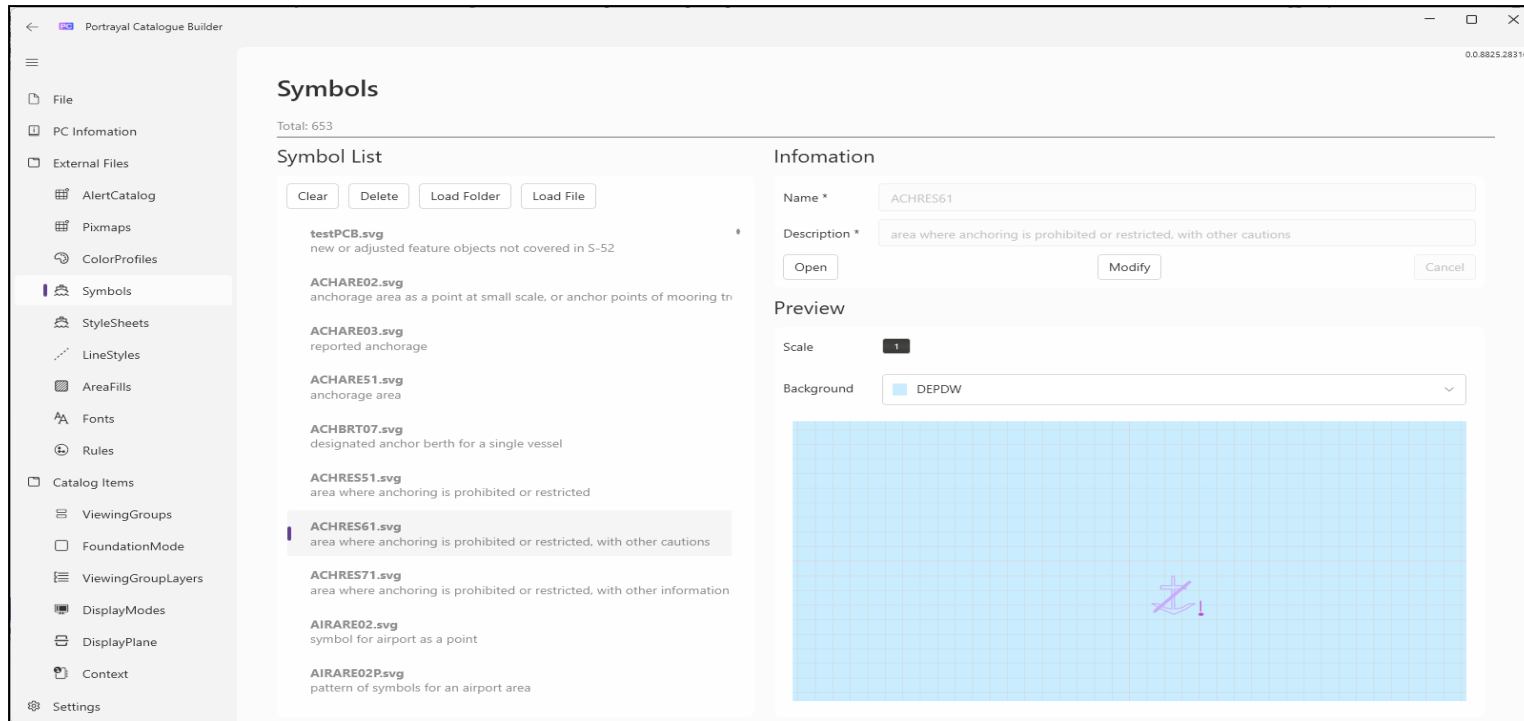 - Improvement of editing function for Feature & Information Association
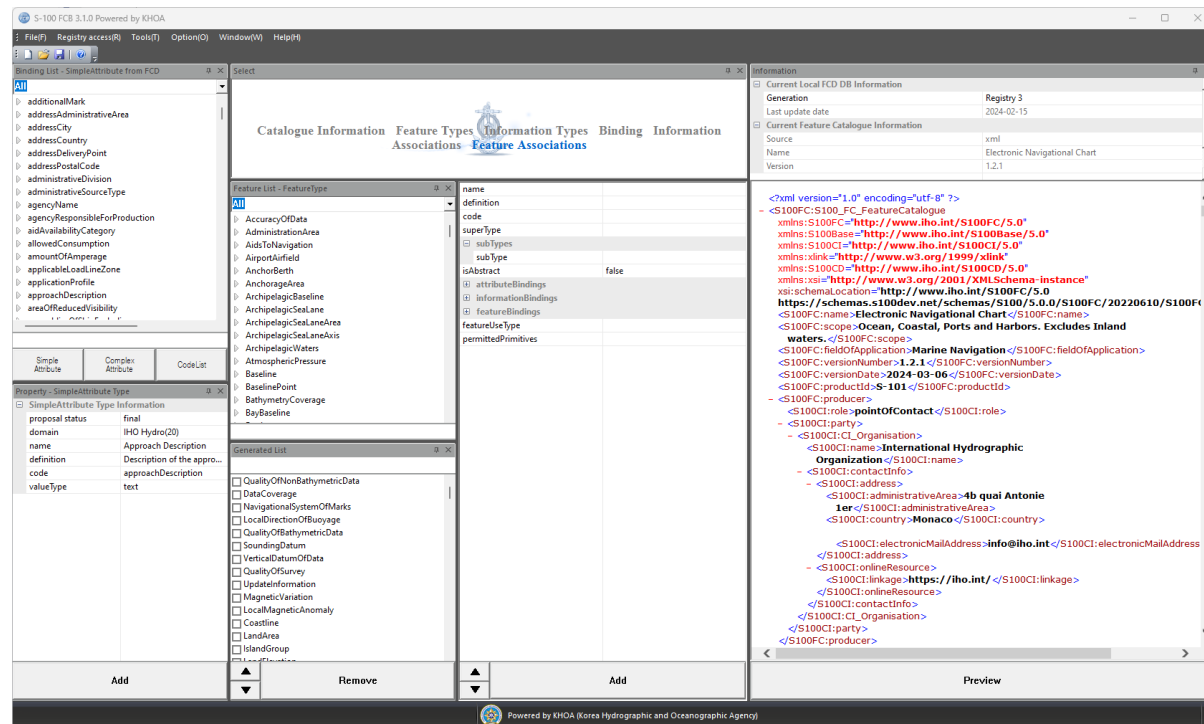
- PCB Update details
  - Improvement of user interface.
  - Improvement of the function of export/import to/from zip/package(xml + files).
  - Support for packaging PC items like external files or catalogue items.
  - Preview of symbol, line style and pattern.

International
Hydrographic
Organization

- It's recommended to note connected operation case of S-100 Tools and plan to improve movie, tutorials, and user manuals so that S-100-based PS developer can better utilize S-100 Tools.

- note the progress of S-100 Tools and plans