7th S-100 Working Group (S-100WG) Meeting

S-1OOP Project Team

Agenda Item 3.11

- 1st S-1OOP CG Meeting
  - 8 June 2021 – VTC
  - Agree to prepare platforms such as web viewer and Wiki to discuss the S-1OOP project before the 2nd meeting.
- 2nd S-1OOP CG Meeting
  - 23 November 2021 – VTC
  - Theme 1: Web viewer was introduced and demonstrated for sharing S-XXX TDS
  - Theme 2: Wiki for S-100 Tools was discussed
  - Theme 3: Proposed plan of Open source management and operation was presented
  - 3 years work plan was introduced

S-1OOP PROJECT

- Building blocks and 4 Themes

| No.	Title	Themes	Actions for short term	Activity Tools (Working Place)
1	**GI Registry**	**- Theme 1 -** Online Viewer and Simulation	• Members produce TDS described in the S-100 implementation roadmap • Share the TDS via GI Registry and Web Viewer	**Web Viewer** provided by KHOA
2	**Test Datasets**			
3	**Production Tools**	**- Theme 2 -** Data production and Protection scheme	• Identify what tools are required to product and service S-100 products • Investigate which tools are available • Gather available tools and links to access • Write wiki to record the status and changes of tools	**Wiki** for Theme 2
4	**Validation Tools**			
5	**Storage Tools**			
6	**Protection Tools**			
7	**Dissemination Tools**			
8	**Data viewer**	**- Theme 3 -** Open source management and Operation	• Prepare open source for S-100 Viewer • Improve the open source for the purpose of shore based ECDIS • Operate and mange the open source	**Gitub** for Theme 3
9	**Knowledge Base**	**- Theme 4 -** Knowledge base and Capacity building	• Hold a webinar • Develop input and requirements to submit to S-100 and PS developers	Online meetings by **VTC**
10	**Capacity Building**			

THEME 1 (ONLINE VIEWER)

- ## What is the Online Viewer?
  - Support loading and viewing of S-10X data on the website for test purpose
  - http://119.195.114.103:8080/webview/
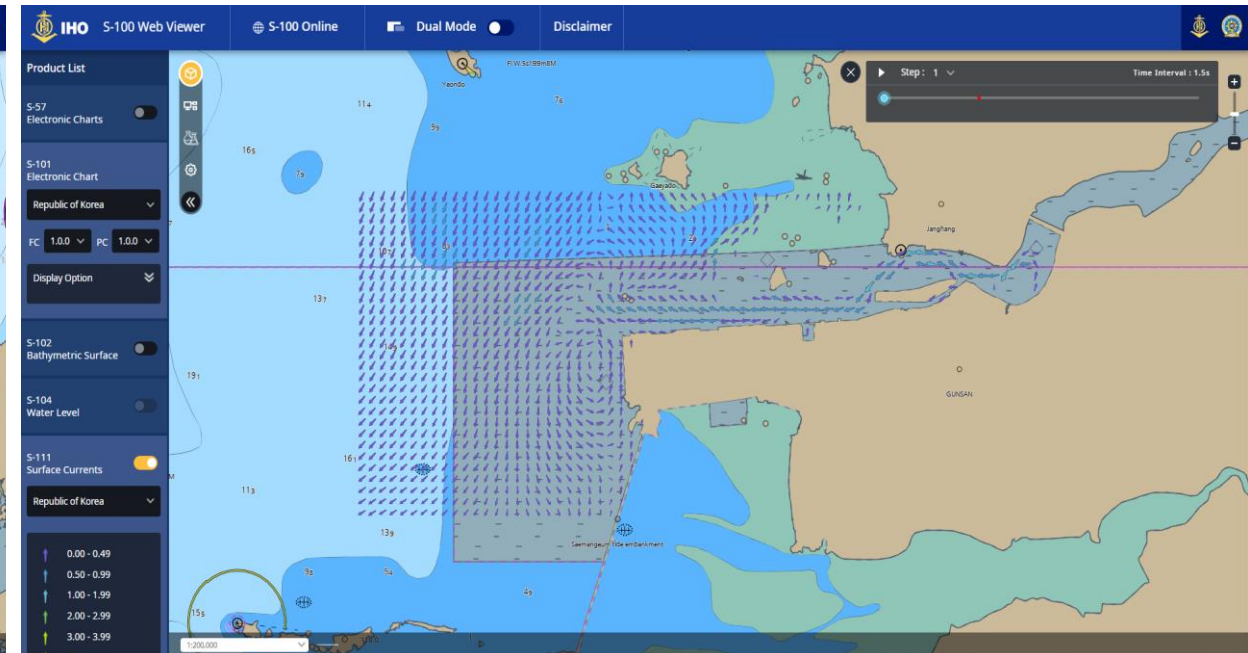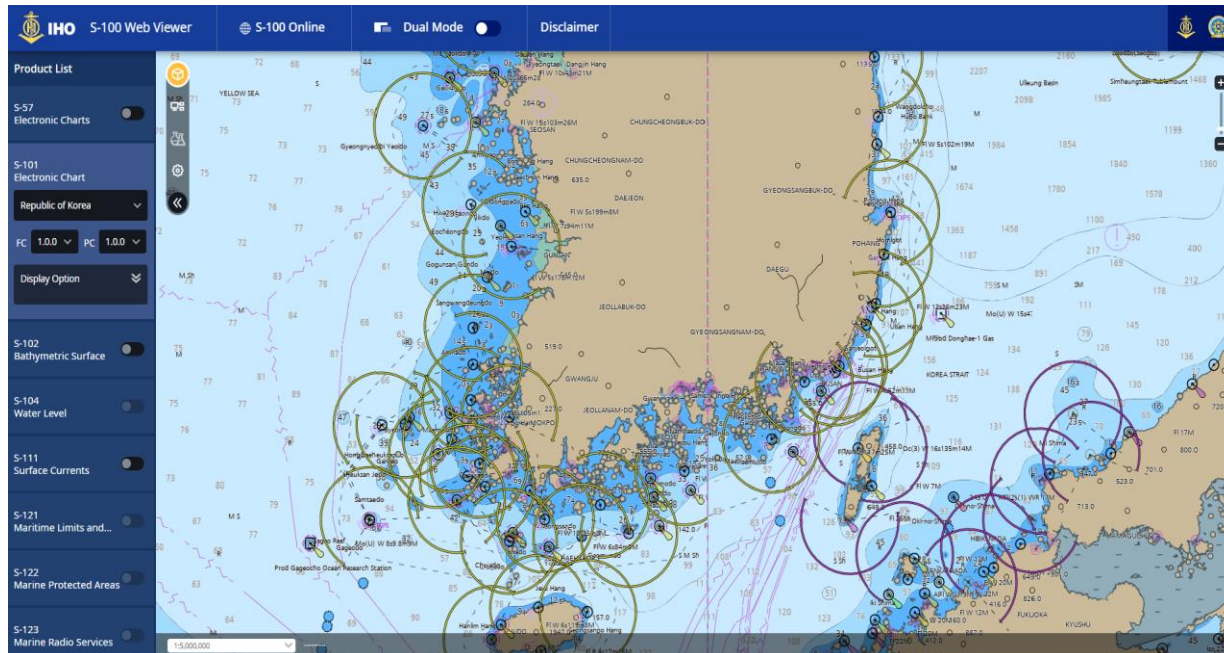
THEME 1 (ONLINE VIEWER)

- Sharing S-100 Test Dataset on the online platform
  - Upload the S-10x TDS and provide metadata
  - Share the registration status of the TDS and download files

< TDS Sharing Platform Board >

< TDS Sharing Platform DataSet Upload & Download >

- Support for the comparison of S-101 portrayal catalogue version
  - Display the registered TDS in S-100 Web Viewer
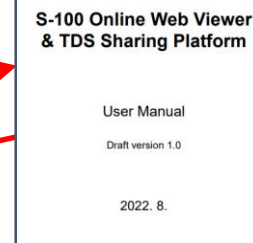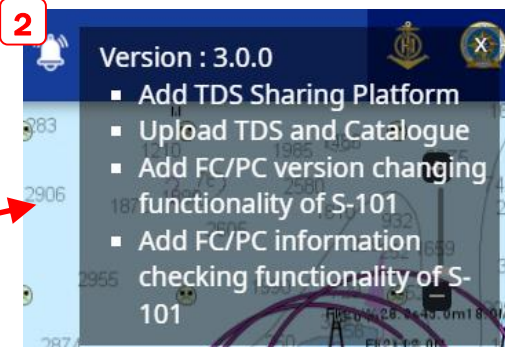 - Compare with symbol comparison according to the selected pc
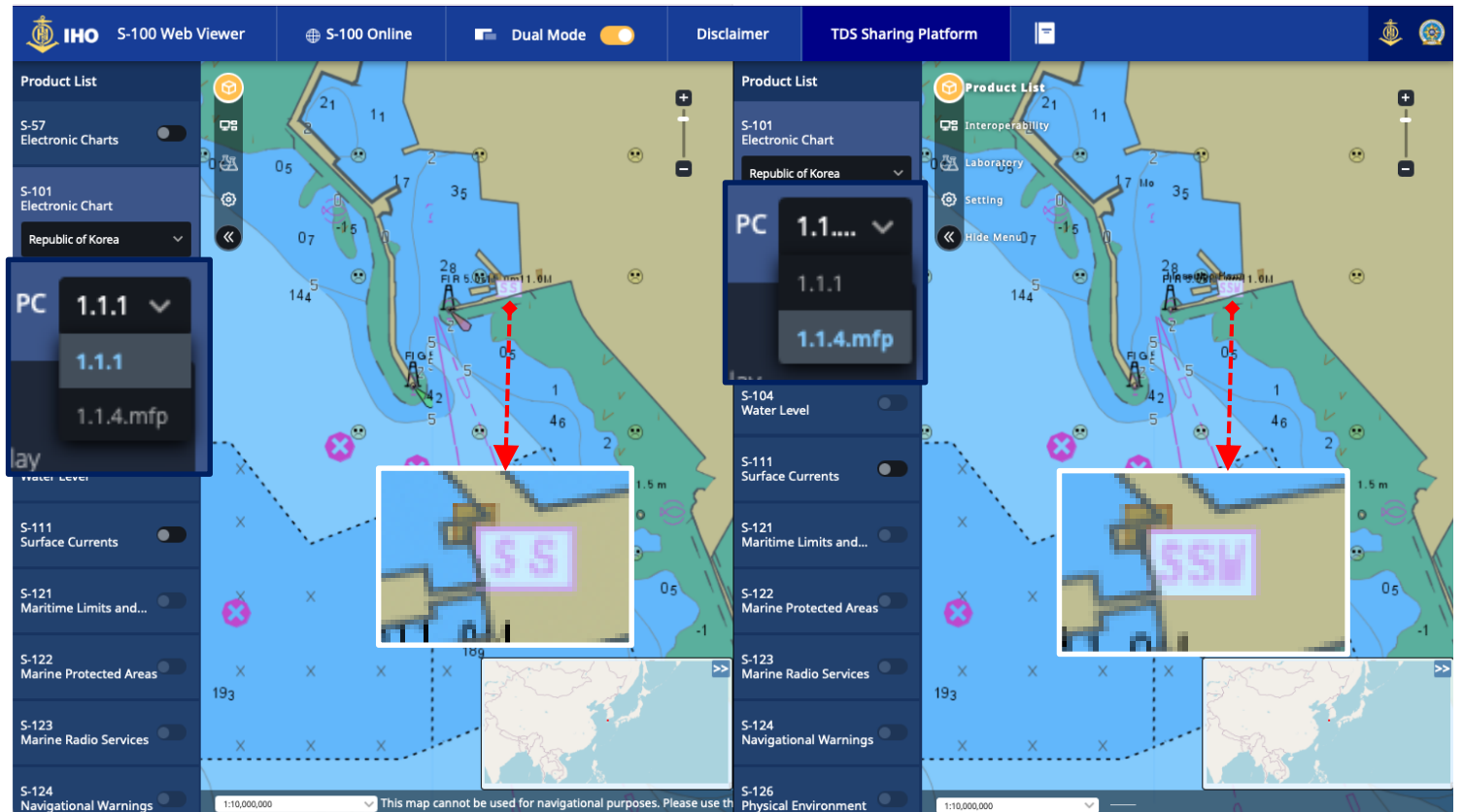
THEME 1 (ONLINE VIEWER)

• Manual, Loading Status, Mini Map...

< S-100 WebViewer>

THEME 1 (ONLINE VIEWER)

- ## Other improvements
  - Apply S-98 : adjust S-101 layer for S-102 (Level 1)
  - Plan to expand other various S-100 based products
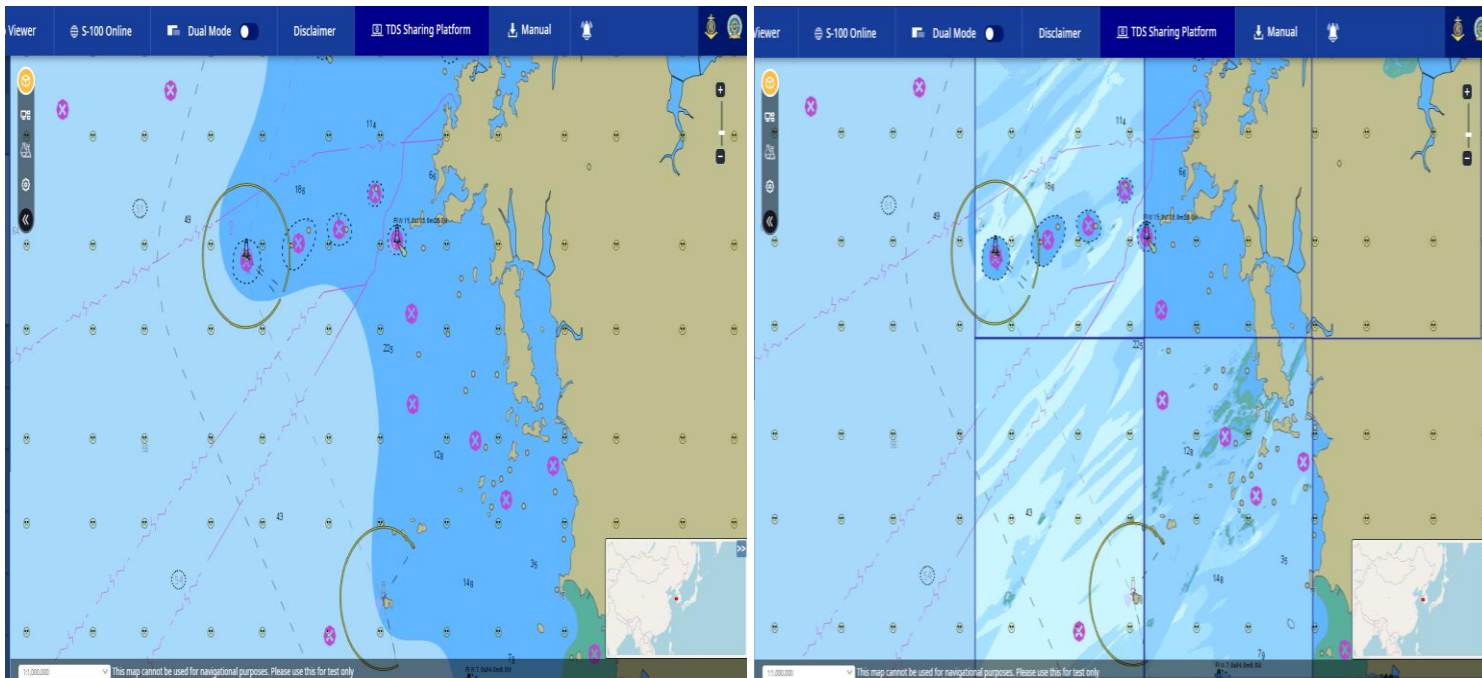
< S-101 – S-102 Interoperability Level 1 >
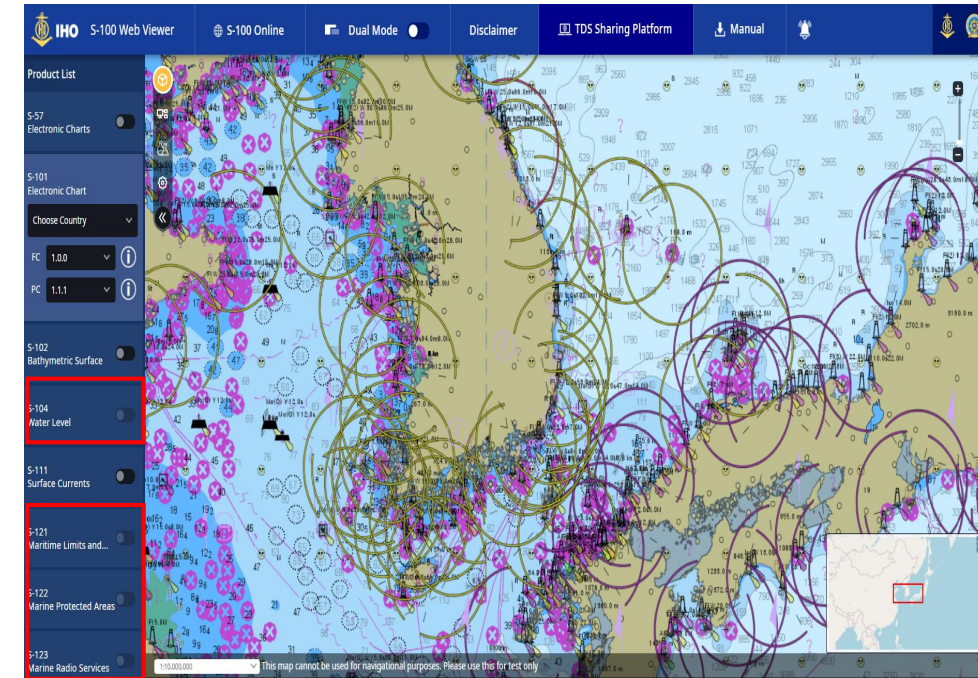
< New types of products in S-100 Webviewer >

THEME 2 (WIKI)

- ## S-1OOP WIKI
  - Testbed work, development tools(Viewers, PCB, FCB..)
  - Provide and share the latest S-100 information and supporting tools
  - http://119.195.114.103:8080/xwiki/

< S1OOP Main Site >

< S1OOP ID – Group Authority >

- # S-1OOP WIKI
  - ## Identify what tools are required for S-100 products production and service
  - ## Investigate which tools are available
  - ## Gather available tools and links to access
  - ## Write wiki to record the status and changes of tools

Initial category		Proposed change	Status
Dissemination Tools	→	Dissemination Tools	Invited to write
Production Tools	→	Production Tools	8211, GML, HDF-5 Tools
Protection Tools	→	Protection Tools	Invited to write
Storage Tools		X	
Validation Tools	→	Validation Tools	SevenCS S-101 Validation
Testbeds	→	Testbeds	KHOA Testbed NIWC, Norway invited
Viewers	→	Viewers	KHOA Viewer, Online NIWG invited
Other resources	→	Other resources	Open source S-100
		Standard Tools	FCB, PCB, DCEG, SVG Editor etc.

- Maintenance of KHOA S-100 Viewer
  - version 1.0.17 is available
  - S-10x GML editing function (prototype), improved conformity to S-100 portrayal standard, S-102 2.1.0 support
  - Improvement of other user convenience functions, etc.
  - Improved system stability and functions by resolving issues registered
- Use of Viewer
  - Release open source Viewer
  - Review of pilot-produced S-10X data
  - KHOA's S-100 data test
  - Applied to the development of the S-98 interoperability catalogue
- Planned update
  - S-100 5.0 support(2023), Exchange set and metadata, S-98 IC

International
Hydrographic
Organization

- Open S-100 (Open source of KHOA S-100 Viewer)
  - Open source preparation
    - Organize the source code for the process and portrayal of S-101 ENC
    - Improve the FC/PC module function compared to the S-100 Viewer
  - Implications
    - Open source version of KHOA S-100 Viewer
    - Available for commercial purpose based on ML 2.0 license
  - Plans
    - Fully support the S-100 5.0
    - S-101 Exchange set and metadata
    - Support the GML and HDF-5 data