



14th Meeting of the Hydrographic Services and Standards Committee

Report of S-100P Project

Agenda Item 5.1H

HSSC-14, Denpasar-Bali Indonesia, 16-19 May 2022



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INTRODUCTION / BACKGROUND

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- **S-100P Project**
 - foundation of sharing and cooperation to facilitate changeover to the S-100 world
 - alternative approaches to overcome challenges

- **HSSC decision 12/13**

S-100P S-100 Open Online Platform	HSSC12/13	HSSC Chair to update A-2 on S-100P under development for further consideration. ROK was invited to prepare an invitation package so Member States can consider joining.	A-2 HSSC-13	Done
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S-100 OPEN ONLINE PLATFORM PROJECT

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- The project vision
 - S-100 Open Online Platform is the foundation for S-100 World online to accelerate wide adoption of the S-100 hydrographic framework by jointly developing and making freely available the building blocks required to overcome any technical S-100 implementation barriers
- Key goals
 - Share S-100 components, TDS and info. required to construct an S-100 ecosystem
 - Exchange experience and best practice results with S-100 production processes for data producers
 - Enhance navigation, discovery and search of S-100 standards and technical guidelines for stakeholders
 - Promote development of open-source software and application models to implement the S-100 World
 - Publicize the benefits and effects of the transition to the S-100 World



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S100P MEETINGS

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- **1st S-100P CG Meeting** (8 June 2021, VTC)
 - Agree to prepare platforms such as web viewer and Wiki
 - Agreed 4 different Themes for the platform development and the contributors.
- **2nd S-100P CG Meeting** (23 November 2021, VTC)
 - Introduction of Web based- testbed for sharing S-XXX TDS
 - Discussion of Wiki for S-100 Tools and related resources
 - Open source management plan was introduced, 3 years work plan



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• 4 Themes and Contributors

Themes	Action and Work item	Contributors
- Theme 1 - Online Viewer and Simulation	<ul style="list-style-type: none"> - Members produce TDS described in the S-100 implementation roadmap - Share the TDS via GI Registry and Web Viewer (KHOA Web Viewer) 	ROK (KHOA), USA (NOAA), UK (UKHO), France (SHOM), Portranscience
- Theme 2 - Data Production and Protection Scheme	<ul style="list-style-type: none"> - Identify what tools are required to produce and service S-100 products - Investigate S/W and program for TDS generation and protection - Write wiki to record the status and changes of tools (Wiki, Github) 	ROK (KHOA), USA (NOAA), UK (UKHO), France (SHOM), New Zealand (LINZ), ESRI, Primar, Portranscience, IIC (Dissemination part), Navico
- Theme 3 - Open Source Management and Operation	<ul style="list-style-type: none"> - Prepare open source for S-100 Viewer and access plan - Improve the open source for the purpose of shore-based ECDIS - Operate and manage the open source 	ROK (KHOA), New Zealand (LINZ), Portranscience
- Theme 4 - Knowledge Base and Capacity building	<ul style="list-style-type: none"> - Hold a webinar to investigate core components of S-100 and product specification implementation 	Singapore, USA (Capacity Building) eLearning Center, Portranscience



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- Web-based S-100 test bed (Themes 1 & Themes 2)
 - Share S-100 related data, tools, technology, etc. released in Building Blocks
 - Web- based S-100 test bed(Data viewing)
 - Wiki for discussion support for various topics of S-1OOP activity
 - https://registry.iho.int/soop/registry_sub01.html

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S-100P Building blocks Value Added Services (VAS) Disclaimer

GI Registry

S-100 Web Viewer

SOOP Wiki

Test Datasets(S-64)

Production Tools

Validation Tools

Storage Tools

Protection Tools

Dissemination Tools

S-100 GI Registry

This registry is owned by the International Hydrographic Organization (IHO) is managed by the Secretariat of the IHO

[GET STARTED](#) [Reference Site](#)

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Navigation

About S-100P

S-100 Tools

- Dissemination Tools
- Production Tools
- Protection Tools
- Storage Tools
- Validation Tools
 - S-101 Validation
- Testbeds
- Viewers
- Other resources
 - Education and Training
- S-100 Products
 - S-101 ENC
 - S-102 Dense Bathymetry

search...

About S-100P

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S-100 Open Online Platform

- What is S-100P?
 - S-100P is an S-100 community platform to accelerate wider adoption of the S-100 hydrographic framework by joint development.
 - The platform shares required building blocks to the public to overcome any technical difficulties for S-100 implementation.
- Visions
 - Support the introduction of the IHO S-100 Roadmap for the Implementation Decade.
 - Establish an online platform for testing S-100 based data and sharing information for the hydrographic community as well as other potential ones.
 - Develop a gateway to the S-100 World for different potential users and developers.

S-101 ENC -> Sample file

Use the button above to edit this page and start customizing your wiki to your needs.

Use the button above to add more pages to your wiki and create the hierarchy that best organizes your content.

Use the breadcrumbs located above the title to navigate inside your pages. It's easy to get lost in a big wiki without them.

You can also use the [Sandbox](#) for more demo content and generally a place to experiment with your wiki's features.

[Learn more on how to use XWiki with the Getting Started Guide!](#)

Last Members

Photo	Name
	Friedhelm Moggert-Kägeler
	hyebin oh
	Raphael Maljankar
	tomdepuyt
	Jarl Gaute Vartdal

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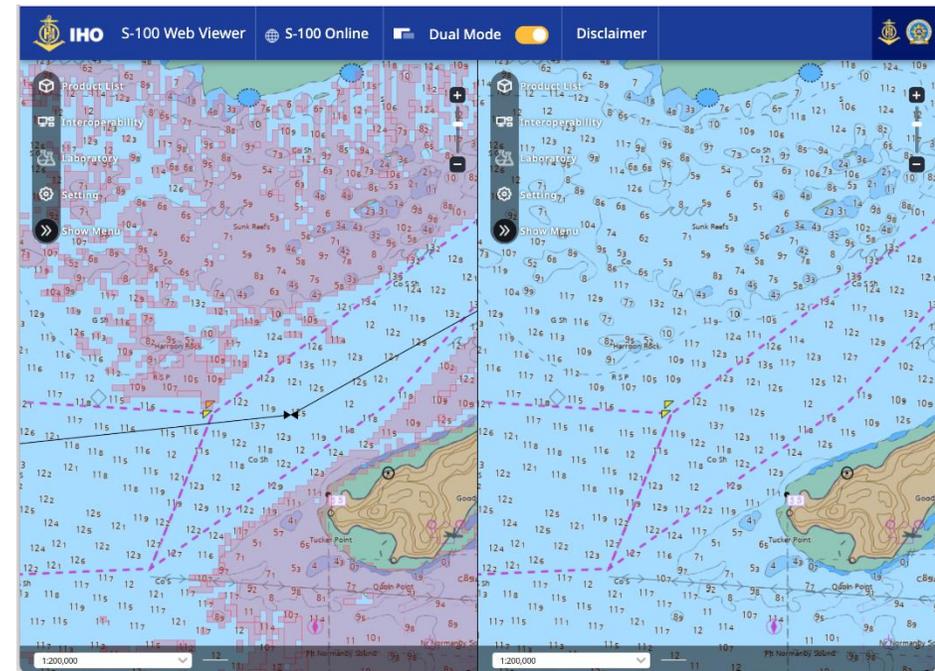
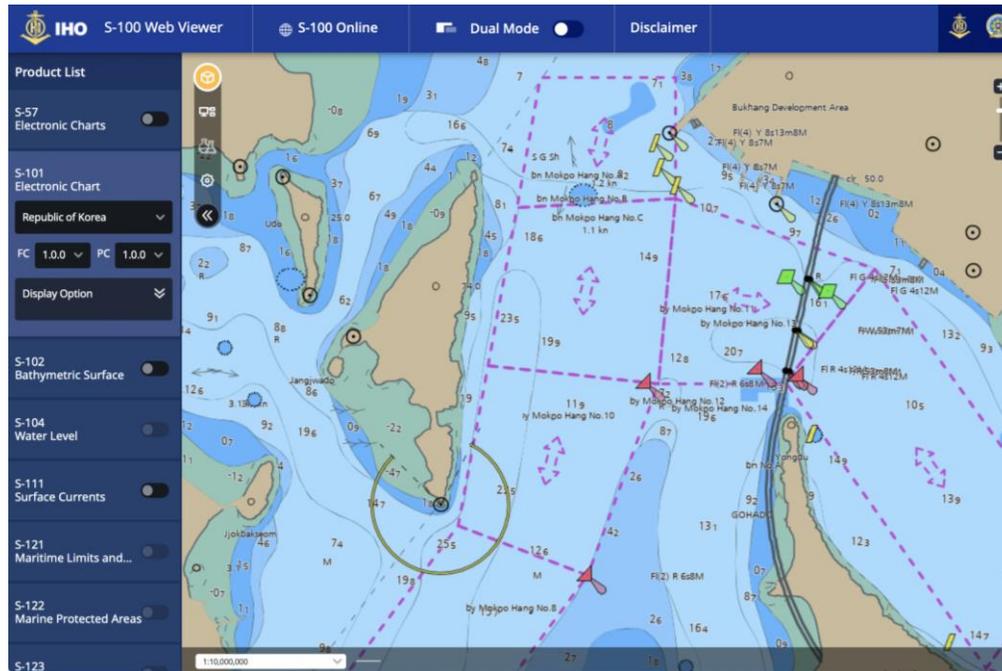


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- S-100 Web Viewer (Theme 1)
 - Based on S-101 ENC, overlap or compare other S-100 products
 - Plan to expand various S-100 products and S-98



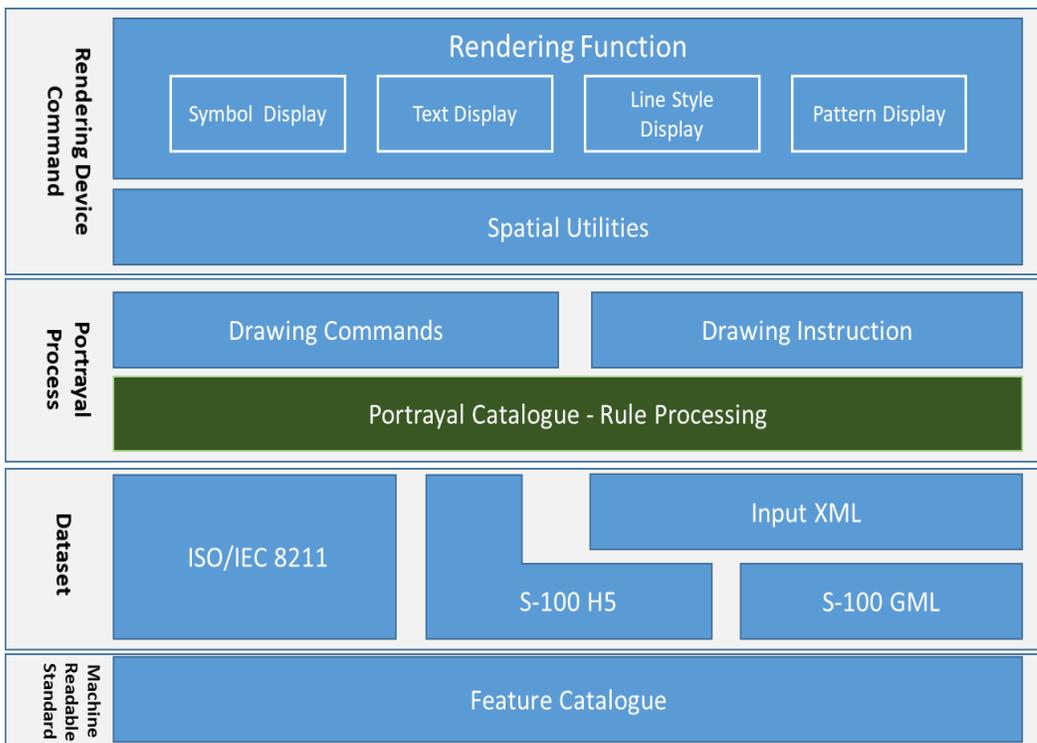
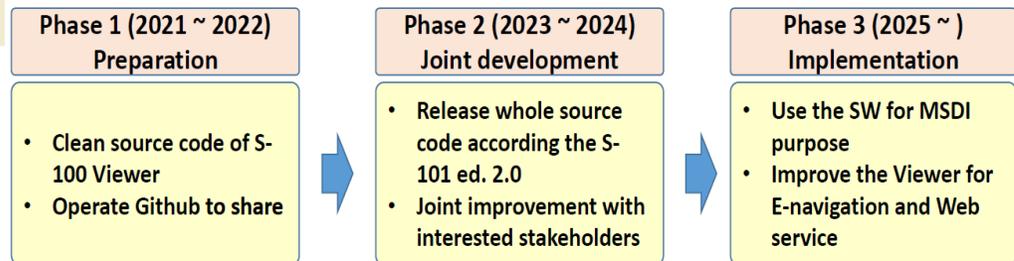


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• Data Viewer and Open source (Theme 3)



The screenshot shows the GitHub repository for **S-100ExpertTeam / OpenS100**. The repository is public and has 6 stars and 4 watchers. The commit history shows recent updates by **insu-baek**, including updates to **Documents**, **FeatureCatalog**, **GISLibrary**, **GeoMetryLibrary**, **LatLonUtility**, **LibMFCUtil**, **LuaScriptingReference**, **OpenS100**, **PortrayalCatalogue**, **ProgramData**, **S100Engine**, **S100Geometry**, **S100_SVG_D2D1_DLL**, and **extlibs**. The right sidebar shows the repository's **About** page, including the README, license (MPL-2.0), and release information.



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ACTIONS REQUESTED FROM HSSC

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- Note the progress on S-100P as a gate way to the S-100 World
- Invite MSs to participate and contribute
- Links
- https://registry.iho.int/soop/registry_sub01.html
- <http://119.195.114.103/webview/>
- <http://119.195.114.103:8080/xwiki/bin/view/Main/>