



S-100 Working Group

S-100 Open Online Platform (S-100P)

Proposed by Vice chair, S-100WG

Background(1/2)

- S-100 is designed to be **extensible and future requirements** such as 3-D, time-varying data (x, y, z, and time) and **Web-based services** for acquiring, processing, analyzing, accessing, and presenting hydrographic data can be easily added when required. (S-100 edition 4.0.0, Dec. 2018)
- The **primary goal for S-100** is to support a greater variety of hydrographic-related digital data sources, products, and customers



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Background(2/2)

- S-100 Implementation Decade (2020-2030): A-2 proposal
- **However**, the development of the S-100 standard has been difficult for supporting various use cases as only a few S-100 experts and industry partners have been participating in
- **This paper proposes to introduce the concept of sharing and cooperation** to facilitate entering into the S-100 world by establishing an **S-100 Open Online Platform (S-1OOP)** as one of the alternative approaches to overcome these challenges



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What is S-100P ?

- The **S-100 Open Online Platform (S-100P)** is defined as "***the Online Oceans.***" It means ...
 - ✓ that it is the foundation for moving the ocean activities to the online world by sharing it **easily and conveniently** to foster a safer and more prosperous ocean



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What is S-100P ?

- **S-100P Project :**

- ✓ to collaborative projects to achieve key goals with a its vision

Project Vision

S-100P will create the foundation for a marine ecosystem where stakeholders can share data, information, and service in an efficient and secure way to facilitate the development of S-100 systems and services and marine products. Such ecosystem will be used to support S-100 implementation and prepare future services.



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What is S-100P ?

- **Key Goals**

- ✓ **Share** S-100 components of the GI registry and S-100 Data Sets
- ✓ **Exchange** S-100 production process for data producers
- ✓ **Enhance** visualizing and searching the standard and technical guideline
- ✓ **Develop open-source** software and ocean application models for implementing the S-100 world
- ✓ **Increase efficiency and reduce** industry cost related to developing S-100 systems and services



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What is S-100P ?

- **Organization**

- ✓ The S-100P project is for IHO Member States and relevant stakeholders. Therefore, in order to achieve the vision and the goals it is required to establish a group from many contributors and supporters
- ✓ To achieve the basic concepts of sharing and cooperating, **the S-100P project can be built entirely with voluntary participation and contribution.**



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Recommendations

- The **S-100P project** asks for active participation from interested Member States, experts and industry partners to accelerate the use of marine data for various purposes, both online and offline, as well as for navigation purposes



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Action requested of S-100WG5

- The S-100WG5 is invited to:

Note this paper

Discuss the concept of S-100 Open Online Platform

Invite MSs, experts and industry partners to participate in the S-100OP project

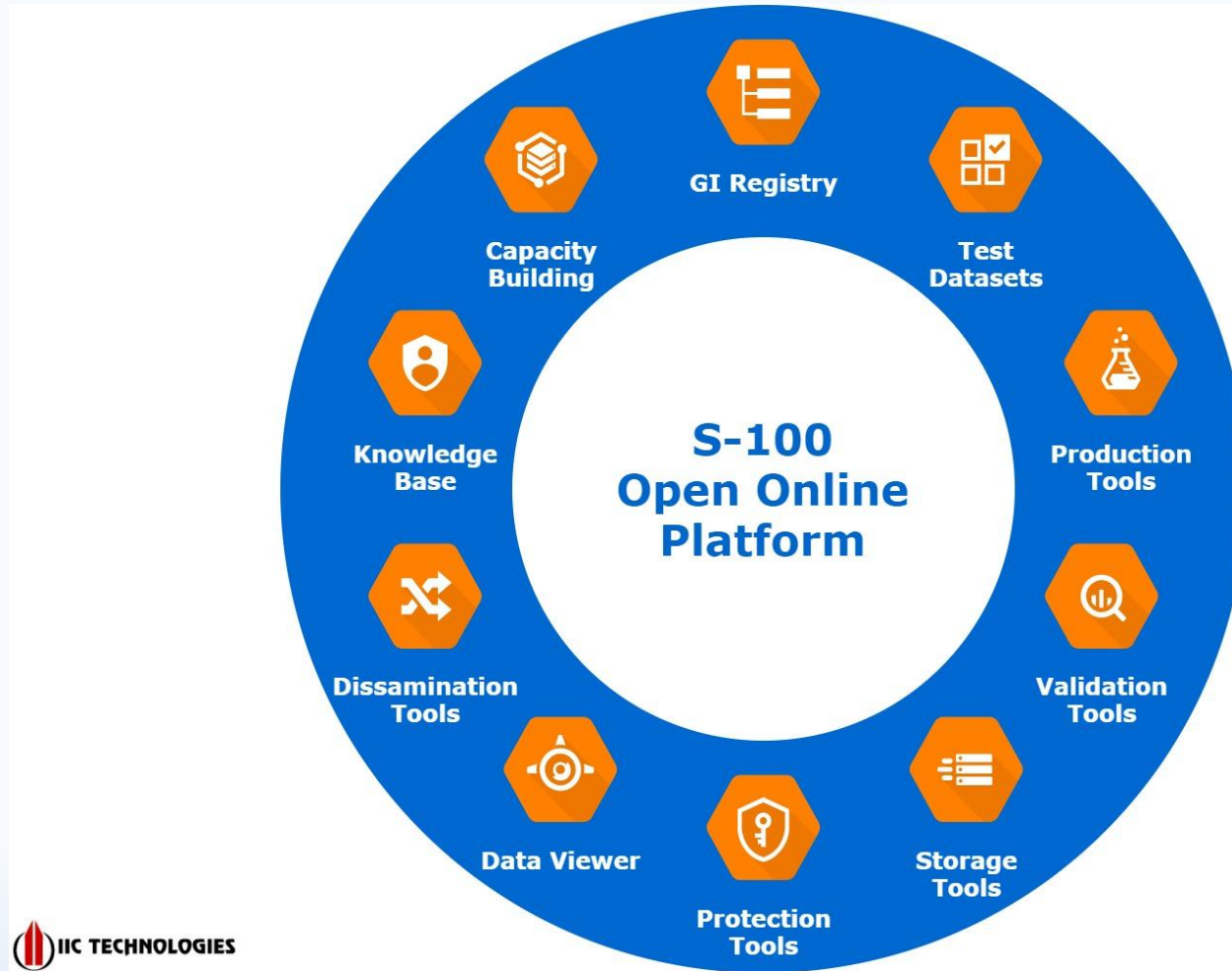
NEXT



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S-100P Project



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


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S-100 Open Online Platform

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-  GI Registry
-  S-100 Web Viewer
-  Test Datasets(S-64)
-  Production Tools
-  Validation Tools
-  Storage Tools
-  Protection Tools
-  Dissamination Tools
-  knowledge Base
-  Capacity Building



S-100P Project



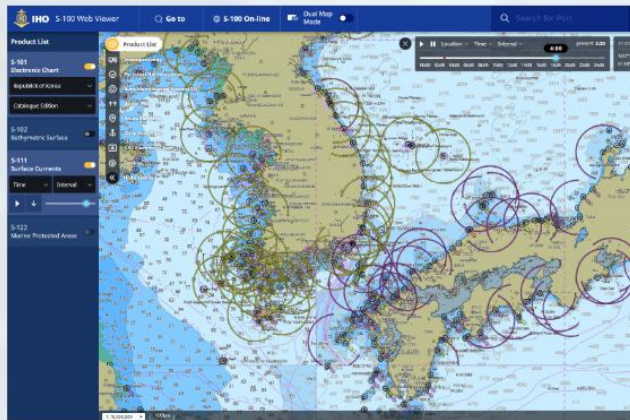
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Menu1

Menu2

Menu3

Disclaimer



S-100 viewer

S-101 Electric Chart, S-102 Bathymetric Surface etc.
S-100-based product standards can be seen,
and a variety of options to view the channel data
from a variety of perspectives.

GET STARTED

Reference Site



GI Registry



S-100 Web Viewer



Test Datasets(S-64)



Production Tools



Validation Tools



Storage Tools



Protection Tools



Dissamination Tools



Knowledge Base



Capacity Building

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KHOA Acknowledgements



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IHO COUNCIL

S-100P Project

No	Product ID	Version	Title	Uploaded By	Status	Date Proposed	Date Completed	View
1	S-101	1.0.0	Testing TDS upload	Seongsu RYU	Complete	03/03/2020, 11:52	03/03/2020, 11:53	Go to viewer

Showing 1 to 1 of 1 rows

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- HOME
- HELP&GUIDANCE
- GI REGISTERS
- MY TASKS
- PROPOSAL
- TEST BED
- Data Sets

Detail View

S-100 Product ID	S-101
Product Version	1.0.0
Product Name	Electronic Navigational Chart
Title	Testing TDS upload
Feature Catalogue	S-101FC_1.0.0_20190409.xml
Portrayal Catalogue	portrayal_catalogue.xml
Test DataSet	EE60930D__000
Remarks	one data upload
Proposed Date	2020-03-03 11:52:24.0

DELETE CLOSE

IHO S-100 Web Viewer

Go to S-100 Online Disclaimer Search for Port

Product List Interoperability

59.4497 24.7787
59° 26' 58.77" N 24° 46' 43.32" E

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