

Hydrographic Services and Standards Committee

# S-100 Test Bed Platform

S-100WG / KHOA

Presented by KHOA (Yong BAEK)



# Introduction

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- S-100 Infrastructure consists of the GI registry, Feature Catalogue Builder (FCB) and Portrayal Catalogue Builder (PCB).
- In S-100 world, the S-100 Infrastructure is an essential platform or system to develop PSs in accordance with official procedures such as S-99 and S-100 Infra work flow.
- However, when it comes to **developing and test versions of PSs**, there has been no mechanism or system to support this phase



# Introduction

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- The S-100 Infra has a role and procedure to develop PSs in accordance with relevant IHO standards and guideline. Therefore, to complete a PS it is required to test some version of the draft PS including a draft FC/PC.
- However, it will be much complex if the PS only applies the S-100 Infra flow for testing. For instance, a feature should be registered in the GI registry according to S-99 approval process if necessary, and then the FCB creates a FC using the Feature Data Dictionary and the PCB processes the work accordingly.



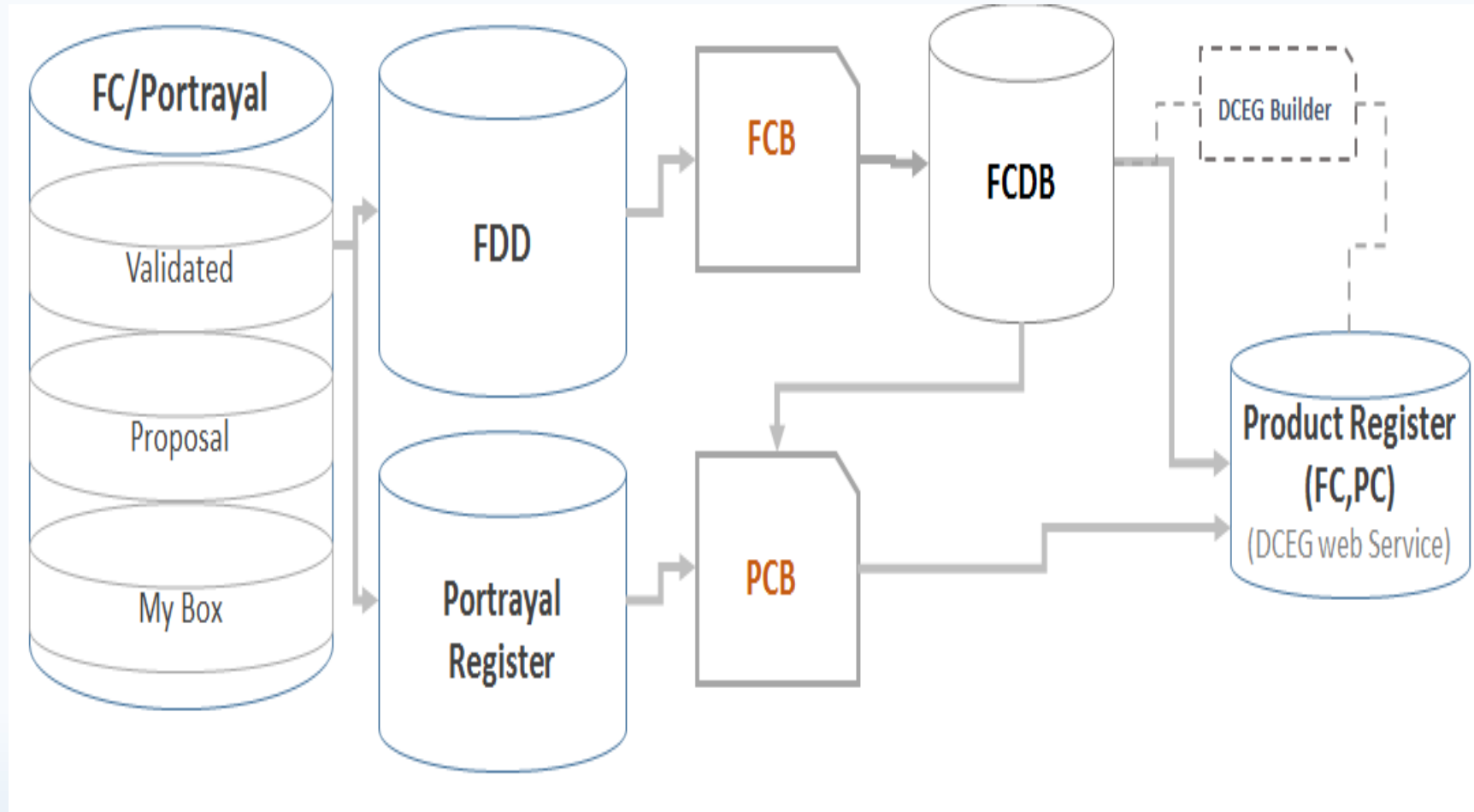
# Introduction

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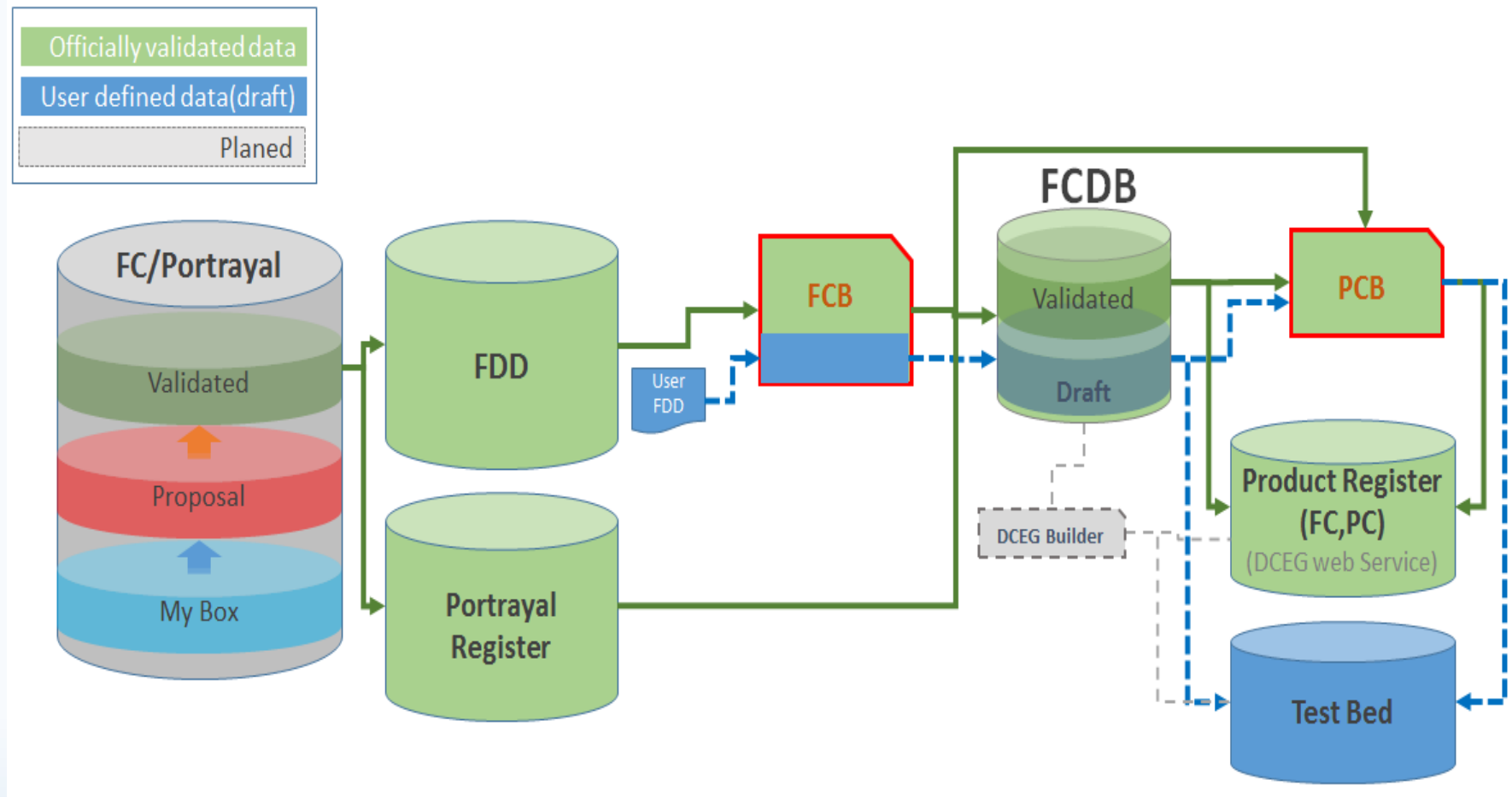
- Furthermore, in order to support harmonized display of different sets of S-100 PSs data, the S-100 Working Group is developing the Interoperability Specification (IS). And to implement such as S-100 ECDIS concept, it will be easier to apply the Interoperability Catalogue (IC) if a procedure which involves developing and testing PSs and relevant system is established.
- Therefore, it should be considered to provide more flexible and systematic mechanism for testing and sharing all information of developing versions of S-100 PSs.



# S-100 Infrastructure



# S-100 Test Bed Platform and flow chart



# Conclusions

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- To provide a flexible mechanism to develop and test PSs and enable smooth interoperability among S-100 based PSs within S-100 ECDIS, a procedure which involves developing and testing and a platform need to be established.
- This document has reviewed the need to establish such procedure and platform and invites the TSM to discuss a way forward if deemed.



# Recommendations

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- 1) Give more flexible function to the FCB to create testing versions.
- 2) A draft or testing version of FC is able to be stored in the Feature Catalogue DB.
- 3) Develop a Test Bed page to share all relevant data and information for testing PSs.
- 4) Develop a guideline for the S-100 Test Bed system.
- 5) Consider incorporating it into the IHO technical standard update system (M-3, Resolution 2/2007).





# Action requested of HSSC

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HSSC9 is invited to:

- a) **Note** this report and discuss the recommendations and provide comments as appropriate
- b) **Endorse** the Test Bed Platform of utilizing by S-100 based Product Specification developer for the HSSC sub working group and other interested organizations.

