

S-100TSM5-6.3

# S-100 Test Bed Platform

19<sup>th</sup> – 21<sup>st</sup> Sept. 2017

KHOA

## Introduction

- S-100 Infrastructure consists of the GI registry, Feature Catalogue Builder (FCB), Portrayal Catalogue Builder (PCB) and Interoperability Catalogue Builder(ICB).
- S-100 Infrastructure is an essential platform or system to develop S-100 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

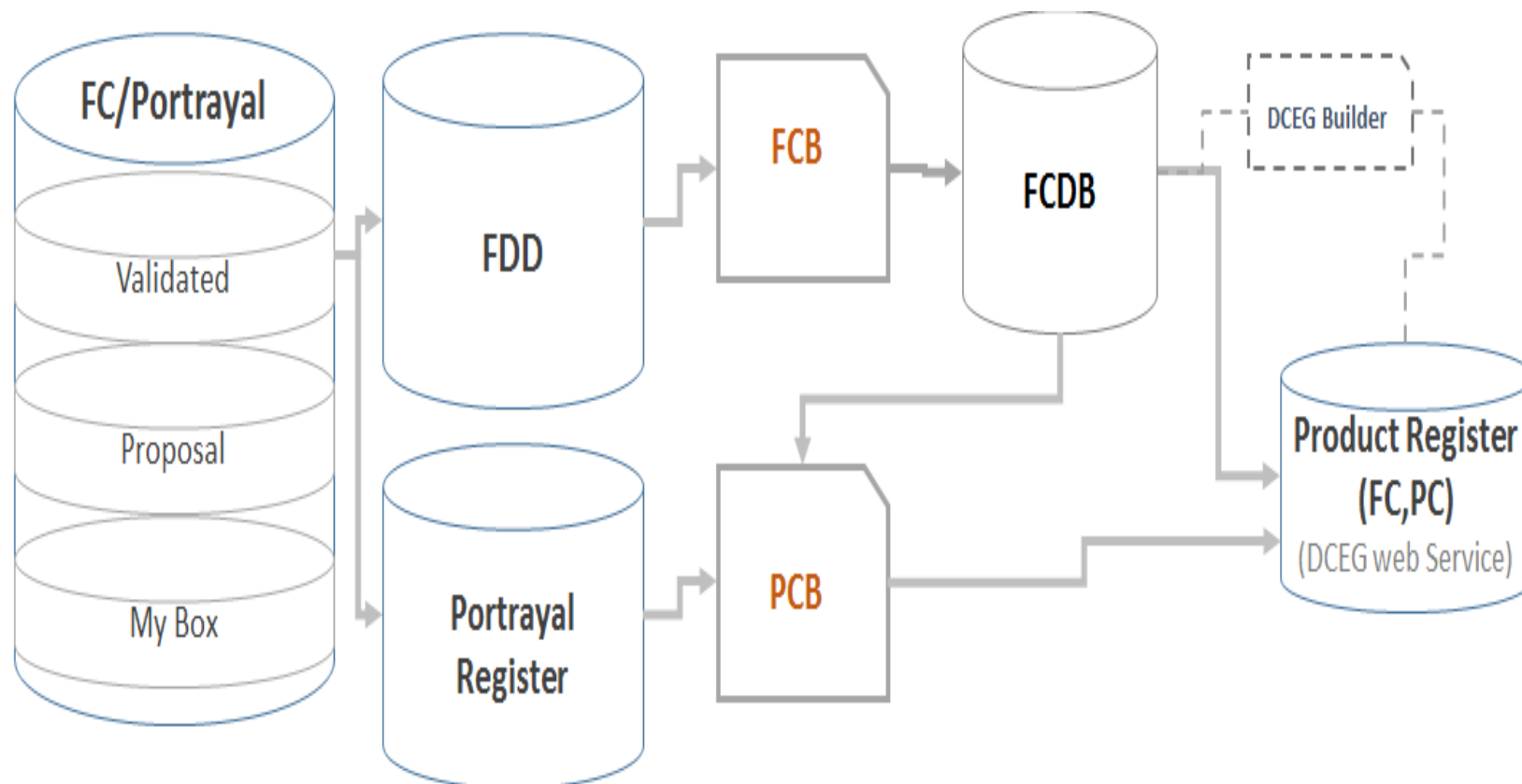
## Introduction

- To complete a PS development, it is required to test some version of the draft PS including a 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.

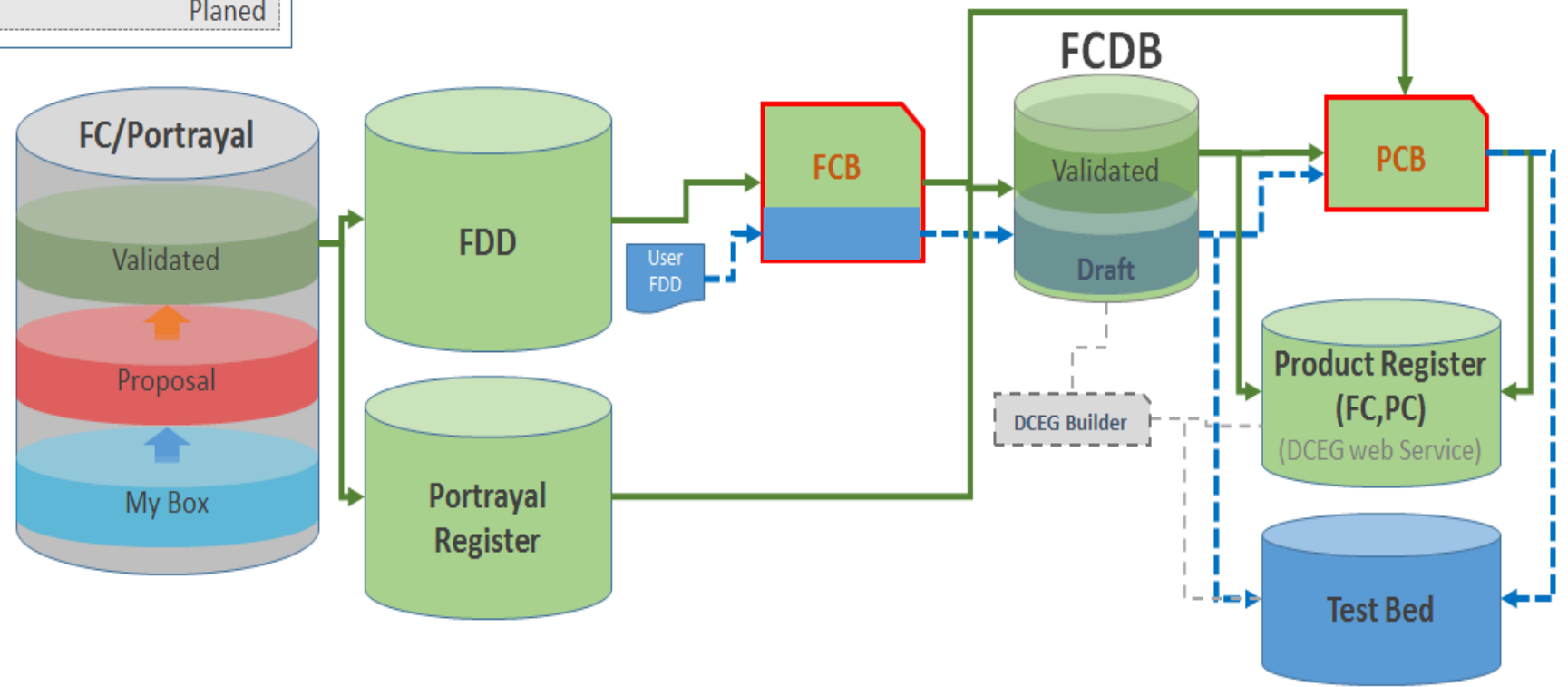
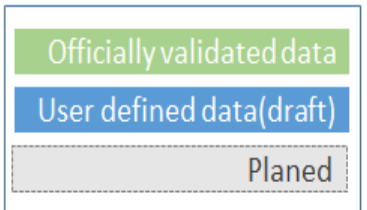
## Introduction

- ❖ Furthermore, in order to support harmonized display of different sets of S-100 PSs data,
- ❖ It will be easier to apply the Interoperability Catalogue (IC) if a procedure which involves developing and testing PSs and relevant system are 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



## Conclusions

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.

## Recommendations

- 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 (M3, 2/2007).



## Action Required of S-100 TSM

The S-100 TSM5 is invited to:

- a) Note this report and discuss the recommendations and provide comments as appropriate
- b) Endorse the test bed platform for further consideration by the S-100WG and other interested WGs.

**Thank you**