

## Paper for Consideration by S-100TSM

### S-100 GI Registry Update for Test Bed Programme

<b>Submitted by:</b>	Republic of Korea (KHOA)
<b>Executive Summary:</b>	This paper reports on improvement of Test Bed webpage which share some developing documents, catalogues for feature and portrayal and test data sets, etc. in S-100 GI Registry
<b>Related Documents:</b>	S-100, S-99, S-100 Master Plans, S-100WG3-6.7.1_S-100 GI Registry 3.0
<b>Related Projects:</b>	IHO S-100/S-101 Test Bed Project, GI Registry

#### Introduction / Background

The KHOA reported development status of the new 3<sup>rd</sup> S-100 GI Registry (Concept register, Data dictionary register, Producer code register, Test bed) in S-100WG3. This paper is a report of Test Bed Programme for the new 3<sup>rd</sup> S-100 GI Registry after the last S-100WG3.

#### Analysis

The new 3<sup>rd</sup> S-100 GI Registry is further developing the portrayal register, product specification, producer code register including the concept register and data dictionary register, which are found improvements in the current registry operation. In order to facilitate data sharing, a Test Bed webpage was reported to the S-100WG3.

This Test Bed webpage is expected to make it easier for users to access S-100/10X information and data in connection with the IHO S-100 web page established by IHO Secretariat.

#### Key features of Test Bed webpage

Test Bed webpage was developed to integrate and manage S-100/10X product standard documents, catalogues, TDS(test data sets), and scenarios under development and use them in the IHO S-100 Test Bed Programme. In addition, it can be verified that various standards can be used in the future by confirming the conformity of developed standards by storing related records and history.

Test bed page contains the following items.

- 1) S-100 Product Specification Metadata
- 2) Responsible organization or working group who developing the PS
- 3) Schedule to develop and test the PS
- 4) Developing version of the PS documents
- 5) Feature catalogue and Portrayal catalogue
- 6) Test scenario, Datasets and Results

The item no.1, 2 in the above test bed page are the related PS data of the product specification register, and Item no.3, 6 will be updated and managed by each product specification developer.

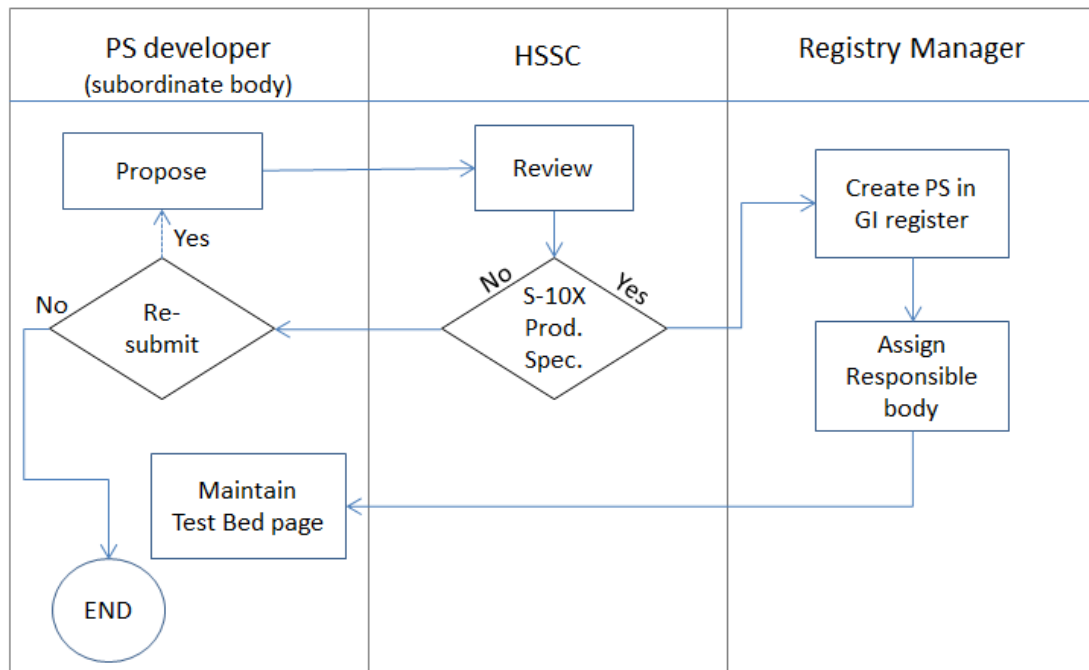
#### How to use Test Bed page

In order to develop S-100 based product standard, developer should request S-10X number to HSSC. After get a S-10X number, registry manager should register metadata information that S-10X developer submitted to product specification register. And registry manager defines the organization and person in charge.

Product specification developer registers their on-going development(draft PS document, version, schedule, FC, PC, TDS, test result) and share opinion with stakeholders through the test bed. Various of developing version can be generated and it is possible to manage separately by each standard version.

When there is a events like new test bed page, the system sends e-mail automatically to whole users to notify them a news for monitoring the works.

Management flow can be present as below;



*Figure 1. Management flow of Test Bed Webpage*

### Discussion/Conclusions

An infrastructure of Test Bed Webpage has been developed to support S-100 Test Bed programme through the new 3<sup>rd</sup> S-100 GI Registry. Test Bed Webpage supports S-10X development by management and sharing product specification, Feature catalogue, Portrayal catalogue, TDS, test results.

### Recommendations

- 1) Request some comments and feedbacks on the management flow of Test Bed Webpage for S-10X development
- 2) Request to utilize Test Bed Webpage of S-100 GI Registry

### Action Required of S-100TSM

The S-100TSM6 is invited to:

- a. Note this report and discuss recommendations