S-100 Test Bed Platform

S-100WG / KHOA

Presented by KHOA (Yong BAEK)
Introduction

• 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

• 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

• 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

• 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

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

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.