

PRO 6- PROPOSED AMENDMENT TO THE IHO RESOLUTION 2/2007 FOR IMPROVING THE VALIDATION PROCEDURE OF MAKING CHANGES TO SPECIFICATIONS BASED ON S-100

Submitted by: Republic of Korea

- References:
- A. IHO Resolution 2/2007 as amended - *Principles and Procedures for making changes to IHO Technical Standards and Specifications*
 - B. IHO Publication S-100 - *IHO Universal Hydrographic Data Model*

PROPOSAL:

Recognizing the need to improve the test and validation procedure of making changes to specifications based on S-100, it is proposed to add the following to the IHO Resolution 2/2007:

1. **Establish and run a test bed to test and validate the changes to S-100 based specifications.**
2. **Share the results of running the test bed on the IHO website.**
3. **A body for running the test bed is required to set detailed specifications for the following, which will subsequently need to be approved by the IHO technical committee.**
 - a. **Composition and tasks of the organization for running the test bed**
 - b. **Items and criteria of test phases**
 - c. **Guidelines on inter-operability between specifications**
 - d. **Any other specifications set forth by other technical committees**

EXPLANATORY NOTE:

1. The IHO Resolution 2/2007 is a mandatory resolution to refer to when making changes to IHO's specifications and it outlines the principles and procedures for doing so.
2. It also specifies principles and procedures for preventing problems which may occur when making changes to IHO's specifications. To name a few problems, they can be incompatibility between systems, high updating costs, market monopoly, dissatisfied users or increased risks to safety of navigation.
3. Nevertheless, since S-100 based product specifications enable not only traditional single information such as ENCs but also integrated services including tides, bathymetry, and marine meteorology on a single screen, it is anticipated that pre- assessment of impacts from making changes to amendments will be sophisticated. To supplement that, it is required to improve the existing test and validation procedure of making changes to specifications. Therefore it is necessary to add relevant articles to the IHO Resolution 2/2007.
4. Furthermore, it is difficult for Member States to determine the appropriateness of the changes because technical aspects such as data modelling of S-100 based specifications have been reinforced, compared to those from the past.

5. Subsequently, it is required to establish a system which shares the procedure and result of running the test bed on the IHO website so that it will help stakeholders understand changes to specifications.
6. The body which will be tasked to run the test bed is required to obtain prior approval by the IHO on its composition, tasks, roles, etc.