Paper for Consideration by WENDWG14

INToGISⅢ for S-100 Products

Submitted by:	Republic Of Korea(KHOA)
Executive Summary:	This report shares the plane to develop the INToGIS interface to support scheming and publication of the S-100 products.
Related Documents:	IHO Web Catalogue
Related Projects:	INToGISⅢ

Introduction/Background

By the S-11 standard, INToGIS provides the list of the latest INT charts and ENCs as well as maintenance tasks such as planning, review and approval of INT charts.

IHO Secretariat has requested INToGIS to broaden its capabilities to include support for planning the S-100 product. INToGIS plans to develop an interface based on user input.

Analyses/Discussion

Outline of INToGIS

INToGIS facilitates the maintenance of INT charts, including planning, review and approval, and provides the latest INT charts in accordance with the S-11 standard. A procedure proposed by the HO (IHO Member States), the ICCWG and finally approved by the IHO determines the process for the maintenance of the INT chart. The INToGISⅡ service currently provided involves the maintenance of electronic nautical charts in compliance with the June 2017 revision of version 3.0 of the S-11 standard.

The IHO Secretariat has requested the development of an interface in INToGIS III. This interface would allow users to enter information on datasets and coverage, and enable the ICCWG to coordinate coverage among member states. This coordination would support the publication planning of datasets based on the S-100 standard.

The identified data items will be entered by the user, and the development plan has been designed as follows.

S-100 Products for maintenance by INToGIS

The following is a list of S-100 products that INToGIS will support for scheming. It is important to note that these products are currently in Step 1 according to the S-100 implementation roadmap.

- S-101, S-102, S-104, S-111, S-111, S-124, S-129

S-104 products have been selected, and an interface for planning schemes will be developed, including information and coverage for datasets. Further expansion of the applicable products will be considered based on user feedback.

Idenfity input data

To support the planning and publication of the S-104 dataset, the identification of user-entered data results in the following.

Attribute	Description	Remarks
Product ID	The ID of the product	Ex. S-102, S-104
Dataset Name	The name of dataset	
INT Region	INT Region	
Producer	S-62 Producer Code	
Status	Status option	Schemed/Produced
S_limit	South limit	
N_limit	North limit	
W_limit	West limit	
E_limit	East limit	
Comment	Comment	

User Interface

The following screen is used to enter the schema information for the dataset.

<u>Update plan</u>

KHOA has prepared an updated schedule for the INToGIS system as follows.

- February 2024 ~ 30 April 2024 : Development of a system to propose publication plans for S-104 datasets

- May 2024 ~ September 2024 : Launch the test site and collect the feedback

- October 2024 ~ December 2024 : Analyse comments and identify revisions

- Next meeting : Report on feedback and plan to extend to other products

Justifications and impacts

At the request of the IHO Secretariat, the initial development objective is to design a screen configuration based on user input. In response to user feedback, it is planned to expand the functionality to include file uploads, such as Excel and Shape formats.

Conclusion

The planning and maintenance of S-10X products are important aspects of INToGISⅢ. It would be offered functionality to guarantee that the coverage of products planned and published by Member States is adequate.

Action required of WENDWG14:

The WENDWG14 is invited to:

a. Note this report.

b. Review whether the input data by the user has been sufficiently identified.

c. Ask you to participate in testing after finished developing the interface.