Paper for Consideration by SCUFN

**Report by KHOA on the development of the
IHO SCUFN Archive/Repository/Submission. Work Plan**

Submitted by:	KHOA
Executive Summary:	Report on the proposal submission function and test schedule of the SCUFN, Beta-Gazetteer (SCUFN Gazetteer) function, and the future plan of the SCUFN Operation Web Services.
Related Documents:	SCUFN35.1-07.2A, SCUFN35.2/229
Related Projects:	N/A

Introduction / Background

Korea Hydrographic and Oceanographic Agency (KHOA) has developed SCUFN Operation Web Services (OWS) to advance the SCUFN review process and has continued to improve its function to make it more user friendly and efficient until now. For the last few years, as the number of proposals submitted to SCUFN has increased, the demand for the improvement of the proposal submission has increased accordingly, as well as the responsibilities of the administrators such as proposal review assignment and proposal management. In addition, improvement of additional functions for the users to directly submit the proposals through the system was required.

This document reports on 1. the improvement of the SCUFN OWS, 2. SCUFN test schedule before implementation, and 3. future plans related to the implementation of the SCUFN35.2/229. The improvement mentioned below is currently being applied to the test server, and the improvement will be applied to the server which is currently operated after the test is completed. Therefore, the proposal submission right of the SCUFN OWS currently in operation is limited to the IHO Secretariat.

Analysis/Discussion

1. **Related matters of the SCUFN OWS proposal submission SCUFN OWS**

    1-1. User function

    -   Simplify the proposal submission process and develop the interface of new version

    -   Upload multiple proposals at once up to five proposals

    -   Registration/Management function for proposer

    -   Inquiry service for submitted proposals for proposer

    -   Develop Modify/Revision/Delete/Withdrawn function for proposals (In progress)

1-2. Administrator function

- Inquiry service for every submitted proposal

- Assign review of the proposals (create a timeline for proposal review to determine which proposals to review this year)

- Change of proposal review status and Proposal revision (Under development)

1-3. Proposal review function

- Inquiry service for the proposals to review this year

1-4. Linkage with Gazetteer

- Preload information of the submitted proposals on the GEBCO Gazetteer

- Data Synchronization on the GEBCO Gazetteer in case there's a modification of the SCUFN Gazetteer information

- After the review, submit the result to the GEBCO Gazetteer. (Under development)

2. SCUFN Proposal Submission Test

At the meeting between KHOA, IHO (Associate Professional Officer) in September 2023, we agreed to do an integration testing on all functions reflecting the SCUFN submission process such as proposal submission, management, review, GEBCO Gazetteer linkage as a part of Proposal Submission Test. To do this, we decided to complete the implementation of additional functions until the year 2023 and do the testing after. The test procedure will be as follows.

1) Test done by developers

2) Test done by KHOA and IHO (Associate Professional Officer) (Current stage)

3) Test done by IHO Secretariat

4) Test done by some of the SCUFN Members (China, Japan, Malaysia)

5) Test done by SCUFN Members and other countries

SCUFN TEST Schedule	2023		2024					
	Oct	Dec	Feb	Apr	Jun	Aug	Oct	Dec
KHOA-APO	■	■						
IHO Secretariat			■	■				

SCUFN Members (China, Japan, Malaysia)			3		██	██		
SCUFN Members and other countries							██	██

3. Future Plans

In order to official operate SCUFN OWS, additional function improvement and test will be implemented as follows.

- ● SCUFN Gazetteer
  - SCUFN Gazetteer function improvement (~2024.10)
  - SCUFN Gazetteer function test (~2024.12)
- ● Administrator function
  - SCUFN Administrator function development (~2024.08)
- ● SCUFN Digital Archive
  - Archive test (~2024.12)
- ● Create final guidelines for SCUFN OWS

※ The direction and schedule for additional development of SCUFN Gazetteer will be discussed with NOAA at the SCUFN36

Conclusions

KHOA will continue to support SCUFN until every function needed for successful operation of the system is settled to use so that each member state can directly submit the proposals and have them reviewed through the system.

Recommendations

The IHO Secretariat and members of SCUFN are welcome to inform us on problems they may encounter when using the system and suggest ideas for improvement.

Action required of SCUFN

SCUFN is invited to:
a) Note this paper
b) Provide feedback on the SCUFN integrated Webpage and SCUFN Gazetteer services improvements
c) Provide the Gazetteer DB in order to establish integrated DB