

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:	This paper reports on the development of the IHO SCUFN Digital Archive and the improvements to the SCUFN Operation Web Services by KHOA.
Related Documents:	SCUFN34-07.3A
Related Projects:	N/A

Introduction / Background

The planned shutdown of the IHO Legacy server raised the possibility of loss of SCUFN documents. As per the request of the IHO Secretariat, KHOA started developing the SCUFN Digital Archive. And some of the functions of the SCUFN Operation Web Services (OWS) were improved, reflecting the feedback from the IHO Secretariat and SCUFN members. This document reports on the development of the IHO SCUFN Digital Archive system and the improvements to the SCUFN OWS.

Analysis/Discussion

1. Development of the SCUFN Digital Archive
 - User functions
 - Enquire an archive list by meetings
 - Search function by using meta information
 - Document viewer & download function
 - Shortcuts to important documents such as reports, decisions and actions and basic documents
 - Administrator functions
 - Archive management by year
 - Register and modify document numbers and meta information
 - Upload/modify/delete/download files
 - Upload/modify/delete attachments such as hyperlinks and photos other than document files

- A performance test with the IHO secretariat was done and feedback was collected following the last SCUFN-34 VTC03.

2. Improvements to the SCUFN Operation Web Services

- 1) Management of user's category and authority
- 2) Management of meeting information
 - Register/modify/delete meeting information such as the meeting number, date and venue.
 - Enquire information for each meeting
- 3) Integrated management of proposals
 - Search the list of entire proposals
 - Manage the details of proposals and attachments
 - Change the order of proposals and modify/delete index
 - Manage revisions to proposals

3. Security and Back-up

- 1) System vulnerability check
 - Used a vulnerability management tool Sparrow twice
- 2) Plan for data back-up
 - A weekly/3 monthly/yearly/event unit backup plan is suggested.

4. Future plan

- 1) Test the linkage of the GEBCO Gazetteer API V.5.0 (until June)
 - The schedule of test can be adjusted in consideration with the NOAA's development schedule
- 2) Apply the improvements requested by the IHO Secretariat and SCUFN members (by October)
 - Simplify the process and user interface (UI) of proposal submissions
 - Add a function to search proposal submitters
 - Provide UI for review of pending proposals

Conclusions

KHOA is pleased that the SCUFN OWS can be used for proposal reviews and we will continue to improve and maintain it to support the work of SCUFN.

Recommendations

The IHO Secretariat and members of SCUFN are welcomed to inform us on any issues 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 improvements to the SCUFN OWS