

SCUFN37-07.3A

# SCUFN OWS

## The Current Status of Development

June 26. 2024



Korea Hydrographic  
and Oceanographic Agency

# 1. Background

- As the number of proposals submitted to SCUFN has increased, there has been a call for improvement of the proposal submission function.
- KHOA has continued to improve its functions for a stable use of SCUFN OWS.
- Future plans are essential for an official implementation of SCUFN OWS.

## SCUFN36-07.03A

Development of a new version of proposal submission function & Testing Support

SCUFN36-07.3A

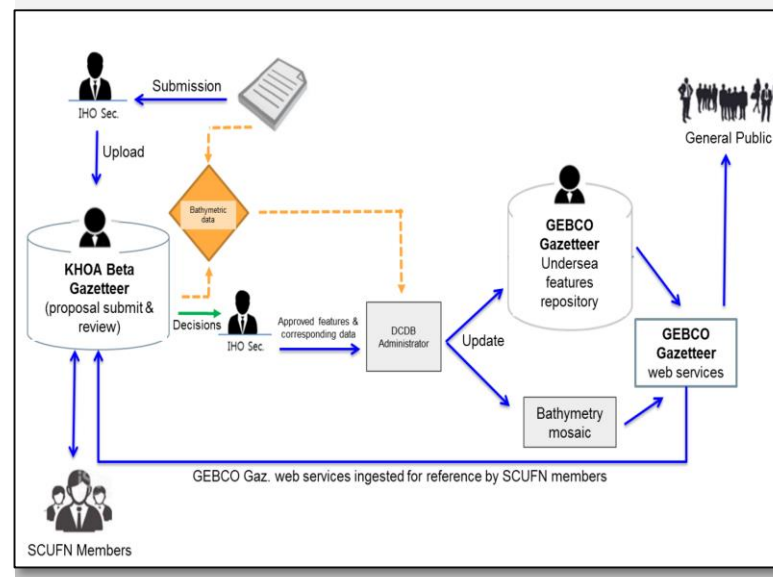
Paper for Consideration by SCUFN

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

<b>Submitted by:</b>	KHOA
<b>Executive Summary:</b>	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.
<b>Related Documents:</b>	SCUFN35.1-07.2A, SCUFN35.2/229
<b>Related Projects:</b>	N/A

## SCUFN32-07.03A

SCUFN Gazetteer  
GEBCO Gazetteer  
Data Synchronization



## SCUFN36-07.03C

Improvements of SCUFN Digital Archive/Repository

SCUFN36-07.3C

Paper for Consideration by SCUFN

Report of the work made during the inter-sessional period

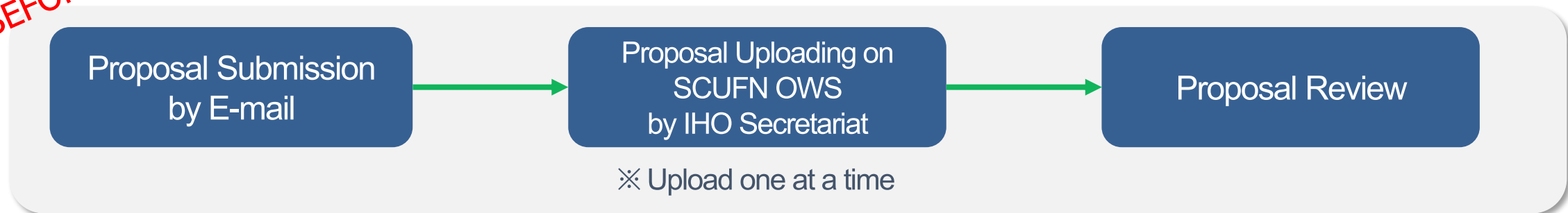
SCUFN Operations Web Services (OWS) Repository and IHO Digital Archives

<b>Submitted by:</b>	IHO Secretariat (as SCUFN Secretary)
<b>Executive Summary:</b>	This document reports on the assessment of the SCUFN Digital Archives component which is being developed by KHOA as part of the SCUFN Operations Web Services (OWS).
<b>Related Documents:</b>	Doc SCUFN35.1-07.2A Rev1 " <a href="#">Report by KHOA on the development of the IHO SCUFN Archive/Repository/Submission. Work Plan</a> " Doc SCUFN36-07.3A " <a href="#">Status Report by KHOA on the development of the IHO SCUFN Archive/Repository/Submission. Work Plan</a> "
<b>Related Projects:</b>	KHOA SCUFN Operations Web Services (OWS)

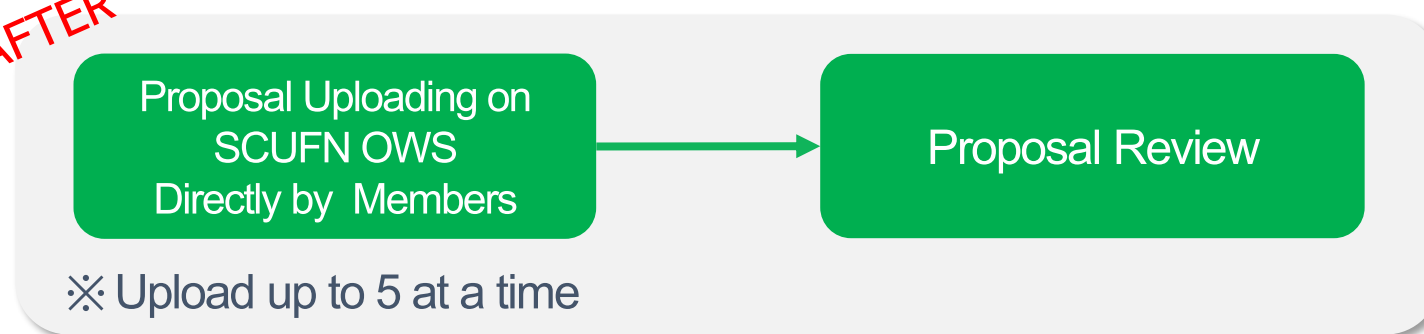
## 2. SCUFN OWS Submission

- KHOA has improved overall procedures for IHO member states to directly upload their proposals by using SCUFN OWS.
- IHO members can upload multiple proposals of up to 5 at a time.
- KHOA has expanded a function to synchronize a submitted proposal with GEBCO Gazetteer

**BEFORE**



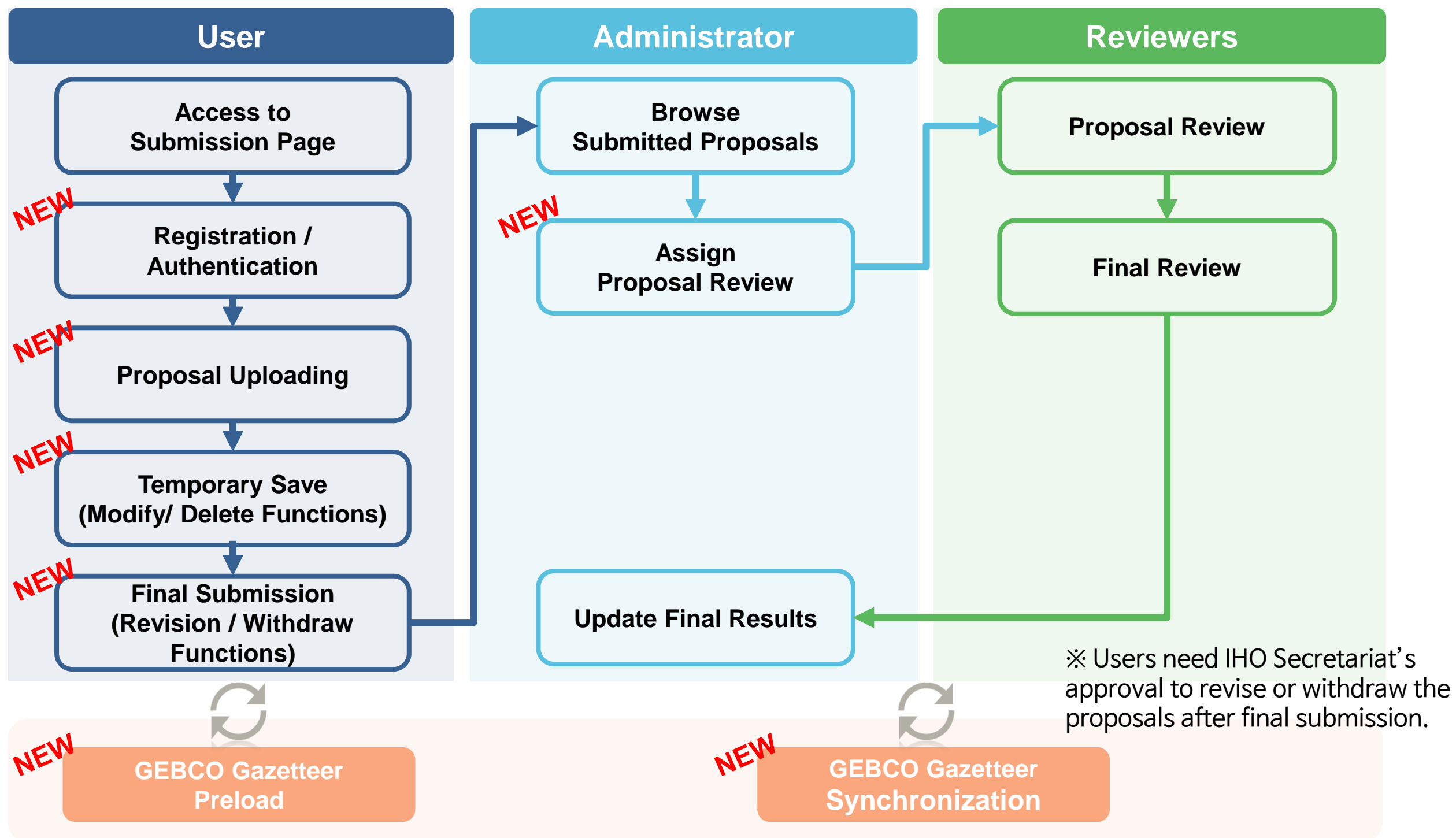
**AFTER**



➔ **Increased Efficiency of Proposal Submission and Review**

# 2. SCUFN OWS SUBMISSION

## 1 Major Improvements



# 2. SCUFN OWS SUBMISSION

## 3 Test Schedules

- Tests for the proposal submission function are ongoing by IHO Secretariat and 3 SCUFN members.
- KHOA has supported smooth testing by distributing user manuals and feedback questionnaires.
- Three stages of testing are as follows.

① Test by KCUFN Secretariat → ② Test by SCUFN Secretariat → ③ Tests by SCUFN members (China, Japan, Malaysia)

※ The timeline for testing can be changeable depending on the schedules of IHO Secretariat and members.

### SCUFN Manual

SCUFN Operation Web Services

MANUAL

- For proposer -

Version 2.0

### Feedback Questionnaire

#### SCUFN OWS Proposal Submit Test Survey

We decided to conduct a proposal submission test according to SCUFN35.2/229.  
Please tell me how you feel about using the proposal submission system

Survey Period : ~24.06.30  
Contact : jyj716@kosbi.co.kr

#### 1. Where are you from? \*

- China
- Japan
- Malaysia
- IHO secretary
- 기타...

# 3. GEBCO Gazetteer Interoperability Test

## 1 The Current Status of Data Synchronization Development

### SCUFN Gazetteer → GEBCO Gazetteer Synchronization

- Data transmission at the proposer authentication stage (by Oct. 2024)
- Data transmission at the modification and submission stage
- Data transmission at the final review stage (by Oct. 2024)

### GEBCO Gazetteer → SCUFN Gazetteer Synchronization

- Data synchronization of undersea feature names once a week
- Data synchronization of proposers, organizations and meetings once a week (by Oct. 2024)

※ Gazetteer data synchronization is ongoing by discussing with NOAA .

INTERNATIONAL HYDROGRAPHIC ORGANIZATION      INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

UNDERSEA FEATURE NAME PROPOSAL  
(See NOTE overleaf)

Note: The boxes will expand as you fill the form.

Name Proposed: RimulHO Seamount


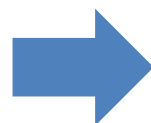

Feature Description:	Maximum Depth: 3890m	Steepness: Irregular
	Minimum Depth: 2372m	Shape: Irregular
	Total Relief: 1518m	Dimension/Size: 22.7km x 16.2km

Associated Features: The RimulHO Seamount is located in the northern part of the South China Sea, and the seamount is 115km southwest to the Yxing Seamount.

Chart/Map References:

Shown Named on Map/Chart:	
Shown Unnamed on Map/Chart:	GEBCO 5.06
Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named): "RimulHO" means "twilight" in Chinese, which depicts a scene of desolateness. The specific name is from a series of Chinese poems, *Seven Poems on Army Life*, written by Wang Changling(698-756) a famous poet in Tang Dynasty(618-907). 21 undersea features are named after the words from *Seven Poems on Army Life* as a group and submitted together. They are Fenghuo Plateau, Damo Seamounts, Mata Seamount, etc. See index map Fig.3.

Feature Information

Feature Name: RimulHO Seamount

Primary Geometry: POLYGON ((115.25956 16.80285, 115.24652 16.80467, 115.24561 16.81346, 115.25258 16.81983, 115.25342 16.82553, 115.24428 16.82968, 115.23576 16.83062, 115.22316 16.82899, 115.21042 16.82691, 115.19629 16.8207, 115.18676 16.81286, 115.17553 16.80708, 115.16736 16.79951, 115.15826 16.79691, 115.15012 16.80543, 115.13919 16.80543, 115.12998 16.80441, 115.11907 16.80375, 115.10713 16.8, 115.09208 16.79216, 115.08496 16.77851, 115.07916 16.77308, 115.07995 16.75687, 115.08379 16.75012, 115.08737 16.74287, 115.09051 16.73211, 115.10031 16.72597, 115.10713 16.71948, 115.11767 16.70997, 115.12028 16.70067, 115.14857 16.70044, 115.1508 16.69356, 115.16292 16.68624, 115.16918 16.68608, 115.17756 16.69002, 115.18404 16.69306, 115.19192 16.69397, 115.20042 16.69408, 115.21133 16.69154, 115.21952 16.69427, 115.22741 16.69697, 115.24136 16.71907, 115.25228 16.72702, 115.26198 16.74067, 115.27199 16.75007, 115.27715 16.75948, 115.28473 16.76645, 115.28889 16.77282, 115.2914 16.77889, 115.28928 16.78526, 115.28261 16.79587, 115.27067 16.79838, 115.2506 16.80289))

Secondary Geometry: POINT (115.105 16.765)

Proposer: SCUFN-37

Discovery Year: 1999

Meetings: SCUFN-37

History: "RimulHO" means "twilight" in Chinese, which depicts a scene of desolateness. The specific name is from a series of Chinese poems, *Seven Poems on Army Life*, written by Wang Changling(698-756) a famous poet in Tang Dynasty(618-907). 21 undersea features are named after the words from *Seven Poems on Army Life* as a group and submitted together. They are Fenghuo Plateau, Damo Seamounts, Mata Seamount, etc. See index map Fig.3.

Minimum Depth: 2890

Maximum Depth: 2372

Total Relief: 1518

Dimension: 22.7km x 16.2km

Comments: 039G



```

"owner": "willie"
},
{
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SCUFN Gazetteer

GEBCO Gazetteer

# 4. SCUFN Digital Archive/Repository

## 1 Presentation of Proposals

(2021) Development Completion of SCUFN Digital Archive

(2023) Test by IHO Secretariat and Feedback (SCUFN-36-07.3C Annex A)

(2024) Improvements from feedback

**BEFORE**

Index	Proposed Name	Decision	Accepted Name
1	BICOL SLOPE	ACCEPTED	BICOL SLOPE
2	MOLAVE SADDLE	ACCEPTED as MOLAVE GAP	MOLAVE GAP
3	EAST LUZON TROUGH	ACCEPTED	EAST LUZON TROUGH
4	NARRA SPUR	ACCEPTED	NARRA SPUR
5	PALANAN SEAMOUNT	ACCEPTED	PALANAN SEAMOUNT

**AFTER**

Index	Proposal name	Decision
1	BICOL SLOPE	ACCEPTED
2	MOLAVE SADDLE	ACCEPTED as MOLAVE GAP
3	EAST LUZON TROUGH	ACCEPTED
4	NARRA SPUR	ACCEPTED
5	PALANAN SEAMOUNT	ACCEPTED

- Synchronize a proposed name with GEBSCO Gazetteer (By October 2024)  
(capital & small letters, accent & phonetic symbols, etc)
- Display a hyperlink of a proposed name
- Display in alphabetical order
- Display a proposed name marked as 'Accepted as'
- Display the review history about a proposed name (discuss)
- Synchronization of Repository and Archive page (discuss)

# 4. SCUFN Digital Archive/Repository

## 2 Other Suggested Improvements

### Meeting Lists

Meeting	Type	Year	Period	Place	Proposals	Documents
SCUFN-37	NORMAL	2024	Jun 24 - Jun 28	Jeju, Republic of Korea		
SCUFN-36	NORMAL	2023	Nov 6 - Nov 10	Wollongong, Australia		
SCUFN-35	NORMAL	2022	Nov 28 - Dec 2	IHO Secretariat, Monaco		
SCUFN-35	HYBRID	2022	Mar 14 - Mar 18	UNESCO IOC, Paris, France		
SCUFN-34	VTC03	2021	Nov 16 - Nov 17	VTC event		
SCUFN-34	VTC02	2021	Jun 7	VTC event		
SCUFN-34	VTC01	2021	Jan 7	VTC event		
SCUFN-33	NORMAL	2020	Nov 9 - Nov 10	VTC event		
SCUFN-32	NORMAL	2019	Aug 5 - Aug 9	Kuala Lumpur, Malaysia		
SCUFN-31	NORMAL	2018	Oct 23 - Oct 27	Wellington, New Zealand		
SCUFN-30	NORMAL	2017	Oct 2 - Oct 6	Genoa, Italy		
SCUFN-29	NORMAL	2016	Sep 19 - Sep 23	Boulder, Colorado, USA		
SCUFN-28	NORMAL	2015	Oct 12 - Oct 16	Niteroi, Brazil		
SCUFN-27	NORMAL	2014	Jun 16 - Jun 20	Monaco		
SCUFN-26	NORMAL	2013	Sep 23 - Sep 27	Tokyo, Japan		
SCUFN-25	NORMAL	2012	Oct 23 - Oct 27	Wellington, New Zealand		

### Final Reports (complete)

Round	File
SCUFN-36	
SCUFN-35	
SCUFN-34	
SCUFN-33	
SCUFN-32	
SCUFN-31	
SCUFN-30	

### Decisions and Actions

Year	Round	File
2023	SCUFN-36	
2020	SCUFN-33	
2019	SCUFN-32	
2018	SCUFN-31	
2017	SCUFN-30	
2016	SCUFN-29	

### Basic Documents

- Term of Reference [EN FR KO](#)
- [Membership List](#)

#### Miscellaneous / Divers

- [Edition 4.2.0 of B-6, October 2019 \(English/Français\)](#)
- [List of Allow Geometries](#)
- [Proposal Form for Undersea Feature Names \(in accordance with Ed. 4.2.0\)](#)

- ✔ Update of reports, documents and pics from meetings
- ✔ Modification of titles, meeting dates and venues
- ✔ Document formats to PDF file only (Delete Excel and Doc files)
- Other improvements are ongoing. (by Oct. 2024)

Decision and Actions

Basic Documents (Complete)



# 5. Future Plans

## 1 System Development & Maintenance

**SCUFN37**

**Completion**

2024.06

2024.10

2024.12

After  
2025

### Function Development and Improvement

- SCUFN Gazetteer function
- Archive/Repository function
- Administrator function, etc

### Testing & improvements from Feedback

- Test by IHO Secretariat
- Improvements from feedback

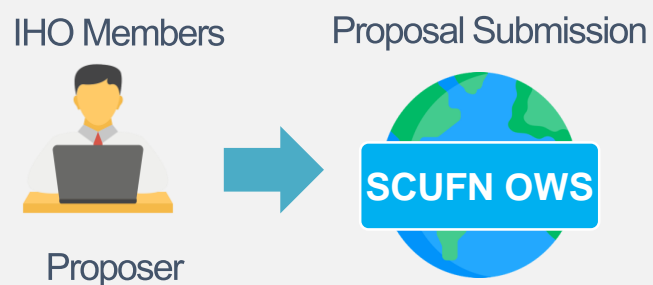
### Maintenance Support

- Create final guidelines for SCUFN OWS
- Support for operation and maintenance

# 5. Future Plans

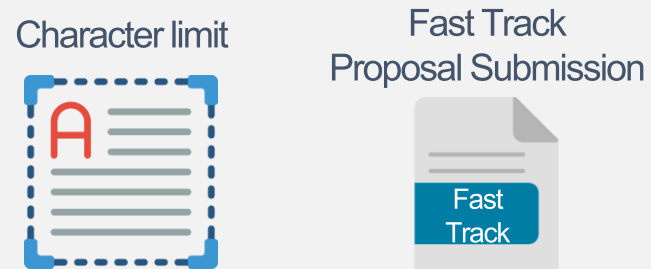
## 2 Proposal of B-6 Revision

### Direct Proposal Submission by IHO Members



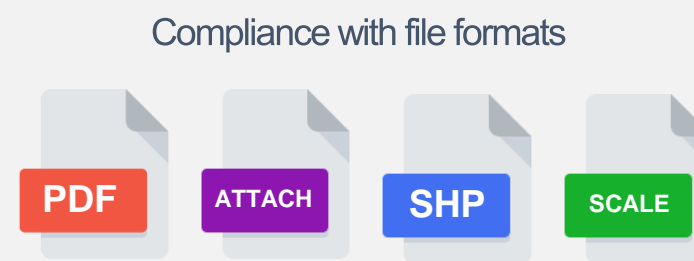
- IHO members use the proposal submission system of SCUFN OWS

### Use of B-6 Standard Proposal Form



- Character limit and file format restriction
- Use a regular proposal form for Fast Track proposal

### only with allowed file formats



- Submission only with allowed file formats
- Compliance with SHAPE file submission rules and coordinates

➡ **B-6 and Annex A need to be revised in line with the on-line submission environment.**

SCUFN37-07.3A

# SCUFN OWS The Current Status of Development Thank you

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ldarae122@korea.kr



Korea Hydrographic  
and Oceanographic Agency