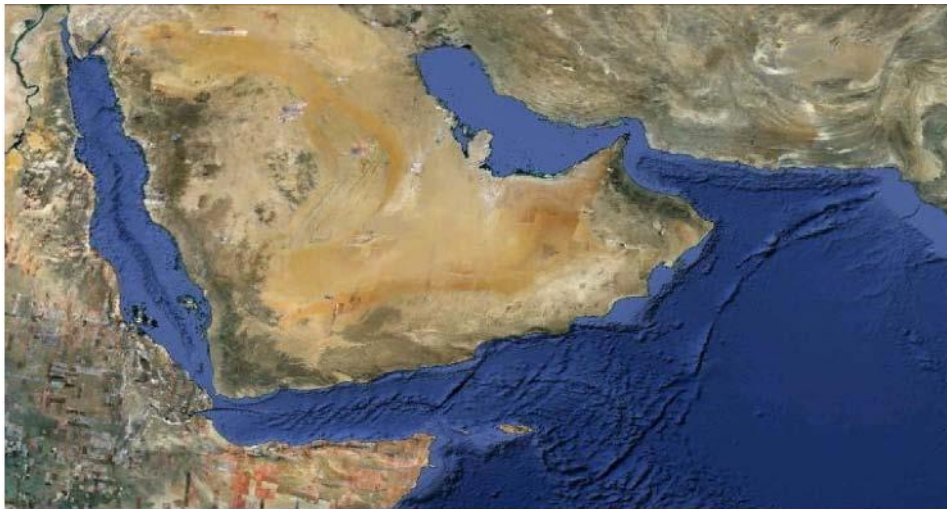




**9<sup>th</sup> ROPME SEA AREA HYDROGRAPHIC COMMISSION (RSAHC 9)**



**MUSCAT, OMAN**

**15-17 NOVEMBER 2022**

**OMAN NATIONAL HYDROGRAPHIC OFFICE**

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## **FINAL REPORT**

### **9<sup>th</sup> MEETING OF THE ROPME SEA AREA HYDROGRAPHIC COMMISSION (RSAHC9)**

**15 to 17 November 2022**

**Muscat – Sultanate of Oman**

*Note: All RSAHC9 Reference Documents are available at IHO website:*

<https://iho.int/en/rsahc9-2022-with-iccwg>

Opening ceremony of the 9<sup>th</sup> meeting of ROPME Sea Area Hydrographic Commission (RSAHC) was held on Tuesday, 15<sup>th</sup> November 2022 at Hormuz Grand Muscat, Muscat. Under the auspices of H.E/ Eng Khamis Mohammed Al Shammakhi, Undersecretary of Ministry of transport, Communications and Information Technology for transport. The meeting was organised by Oman National Hydrographic Office in cooperation with the Ministry of transport, Communications and Information Technology.

#### **OPENING REMARKS BY THE CHAIRMAN, IHO DIRECTOR AND CHIEF GUEST**

1. H.E/ Eng Khamis Mohammed Al Shammakhi, addressed the meeting and welcomed the participants. His address was followed by speech from Cpt/ Yahya Al Balushi the chairman of RSAHC and then Rear Admiral Luigi Sinapi, Director International Hydrographic Organization (IHO) gave his speech. Following aspects were highlighted during the ceremony:
  - a. Chairman RSAHC welcomed all the participants and commended IHO, Royal Navy of Oman and Ministry of transport, Communications and Information Technology for the support to conduct RSAHC meeting in Oman. Also, mentioned the significance of implementing of S-100 and promote regional cooperation in MSDI and the importance of capacity Building to support the common objective.
  - b. Director IHO highlighted the importance of RHCs and appreciated the contribution and commitment of Oman National Hydrographic Office as the chairman of RSAHC. Also, encourages the RHC to take note and consider the proactively key activities of regional and international significance to Hydrographic and maritime community such as: the implementation of S-100 Standard, IHO's renewed commitment to UN Ocean, Hydrographic Capacity Building programme and IHO Crowdsourced Bathymetry initiative and Nippon Foundation GEBCO Seabed 2030 project.
  - c. The Guest of Honour welcomed all the participants and highlighted the importance of hydrography and confirmed that all hydrographic offices and partners in the region should refresh the joint efforts by approaching development the hydrographic products and services between the United Nations, IMO/IHO and Member states. In addition, he would like to hear from IHO Director what Oman can do to support hydrography to

meet the IHO vision, mission and objectives. In conclusion he expressed his thanks to Captian Yahya Al Balushi the Head of Oman National Hydrographic Office and the entire team of Oman National Hydrographic Office and the Ministry of Transport, Communications and Information Technology for hosting and organizing this meeting.

### **PARTICIPANT OF THE MEETING**

2. Member States IR of Iran, Oman, Pakistan, Saudi Arabia, associate members France (Shom), Iraq and United Kingdom, with representatives from IALA, , MENAS, AMNAS, ixBlue Fugro, EOMAP, KONGSBERG, and IHO director.

### **APPROVAL OF AGENDA AND TIMETABLE**

3. The Chair gave an overview of the draft agenda of the meeting and timetable and opened the floor for comments. The agenda and programme were approved.

### **REVIEW OF ACTION ITEMS FROM THE PREVIOUS MEETING (RSAHC8)**

4. The Chair presented and reviewed the List of Action items during the 8<sup>th</sup> RSAHC and conclude the following:

- a. IHO Director noted that regarding action 1 (Status of IHO website, C-55 and IHO Year Book P-5) it will be discussed in IHO report and highlighted the importance of this obligation as a major point of SPI.
- b. The Chair highlighted that regarding action 9 (Views/ comments on nomination of Mr. Hamdan Al Yahmadi from Oman to take over duties of editorial board), the position of editorial board is currently vacant and decided to discuss this issue in details on Day 3 of meeting.
- c. The Chair asked the participants if there were any further points to add and there were no suggestions from the attendances.

### **ELECTION OF VICE-CHAIR**

5. Iraq, IR of Iran and Saudi Arabia submitted nominations for Vice-Chair. However, since Iraq is still associated member in RSAHC and IAW RSAHC statutes article 2 b “Associate Members have the same rights and obligations as the Full Members of the Commission except the right to vote or to be elected Chairman or vice-Chairman”, therefore elections were held to determine the vice-chair between IR of Iran and Saudi Arabia, and the result was the selection of Saudi Arabia as the vice-chair, by a compromise by mediation of IHO director and the chairman.

### **REPORT BY IHO**

6. IHO director (Luigi Sinapi) welcomed Iraq after became a member in IHO and stated that

following the accession to the IHO Convention (see IHO CL 45/2021), in accordance with art. 2 a) of the RSAHC Statutes, Iraq will become full Member of the Commission. All member states welcomed Iraq as a full member in RSAHC. The Chair asked Iraq to sign the RSAHC statutes IAW RSAHC statutes article 2 a, and forward the signed statutes to the RSAHC chair (copy to the IHO Secretariat).

7. IHO director provided a comprehensive summary of activities and the new membership, he invites RSAHC to encourage and propose to the IHO Secretariat High Level Visits, and to those non-coastal States not yet IHO Member States and support the IHO Secretariat in the future initiative in the Caspian Sea region.

8. IHO director presented some outcomes of the 6<sup>th</sup> meeting of the IHO council. The director invited RSAHC to continue on the implementation of the IHO Strategic Plan and support IRCC in identifying measures and values to measure those SPI of regional interest allocated to IRCC, and to consider providing their CATZOC values - through the RENCs - to support the IHO Secretariat in the process of measuring SPI 1.2.2.

9. IHO director highlighted the importance of following the updates of S-100 Implementation Roadmap and urged RSAHC for the creation of a new role of S-100 Services Coordinator for the region or the expansion of the role of Regional Chart Coordinator to include S-1xx product. The Chair welcomes this suggestion and decided to send a CL to consider nomination for this position or to expand the role of Regional Chart Coordinator to include S-1xx products.

10. With regards to the preparation of the 3rd Session of IHO Assembly, IHO director encouraged RSAHC members to register on line their delegations and submit proposals if any by 20 December 2022.

11. IHO director presented the level of activity of the IHO Capacity Building (CB) Programme and the funding issue in 2023. He invited MS to follow and evaluate the possibility to contribute to the CB Programme, participate at the Empowering Women in Hydrography (EWH) project and provide contributions of online learning material to the Project Team established for the IHO e-Learning Center at KHOA.

12. MS were encouraged to consider making data freely available for inclusion in the IHO DCDB and the widest possible use, in accordance with IHO Resolution 1/2017, and to indicate their positions on the provision of CSB data. Moreover, MS encouraged to review national legislation to remove barriers restricting CSB activities within their waters. RSAHC invited to nominate the CSB-GEBCO-Seabed 2030 Regional Coordinator for the region.

13. IHO urged all MS to review their entries in the IHO C-55 (Status of Hydrographic Surveying and Nautical Charting Worldwide) and P-5 (IHO Yearbook) annually and consider submitting papers for publication in the International Hydrographic Review.

## **NATIONAL REPORTS**

14. IR of Iran, Oman, Pakistan, Saudi Arabia, Iraq, France and UK presented their national reports. Bahrain did not attend the meeting; however, they forwarded their national report. Qatar, and Kuwait whereas, UAE, and USA did not attend the meeting neither submitted national report.

15. The following highlights and requests for clarification were noted:

a. Bahrain highlighted that Regular surveys for updating the navigational charts where the depths are suspected to have changed being conducted regularly. REMAAL Project: Bahrain has started an extensive sand search program to map all the sand resources in Bahraini waters. The project has commenced in 2020 and it is a combined effort from various government agencies. Bahrain produced 8 new ENC's and publishing 5 INT chart.

b. IR of Iran briefed the main contents of its report, particularly assets, charts and nautical publications. It was noted that Iran engaged in complementing the ENC mosaic for the remaining areas. Iran maintains large inventory of nautical charts and ENC's covering Iranian water.

c. Iraq highlighted that a new survey vessel named Maqaal will be added to the National Hydrographic Fleet and it is still in process to re-establish a survey office meeting with IHO standard. Iraq looking for more training to be able to produce ENC and paper charts and because of its situation it was far from international community development.

d. Oman briefed on the hydrographic and cartographic capabilities along with organizational structure. It was noted that new website of Oman National Hydrographic Office will be launched at the end of this year. Since last meeting ONHO has published 27 ENC cells; another 4 cells will be ready by the end of 2022, in addition, ONHO produced many paper charts, which covered many ports and areas of navigational interest. Furthermore, Oman is currently limited to one survey vessel, the other being in a planned refit.

e. Pakistan highlighted current hydrographic survey and cartographic status. It was noted that Pakistan has updated paper and electronic charts. Also, ENC's of all major ports and approaches are available to mariners. Small scale ENC cells of INT-751 (Bombay to Masqat) and INT 7019 (Karachi to Ras Al-Hadd) were produced. Furthermore, production of all ENC's including Local (PAK Chart series) have been completed. Pakistan is also conducting IHO recognized Cat. B hydrography course, where Pakistan invites member states for the hydrographic training.

f. Saudi Arabia briefed that General Commission of Survey (GCS) continues to develop and gain experience adapting state of the art technologies for hydrographic surveying and nautical publication, committing to assure safety of navigation under IHO/IMO regulations. Hydrographic Survey Vessel (HSV) 'Sultan' is the primary hydrographic

survey platform with two hydrographic survey launches onboard and prior to 2022, GASGI completed production of 5 PNC & ENC charts for the entire KSA coastal waters.

g. France celebrated 300 years of French hydrography in 2020 also, highlighted that Shom supports any initiatives aiming at improving the maritime knowledge and the navigation safety, as far as all maritime environment data which are source of charts in the French waters are available in open source in Shom portals. Shom integrated the very shallow multibeam sounders Norbit (iWBMSH) to its deployable hydrographic system (designed for surveying in military operations or after disaster) with a team of 3 hydrographers. Moreover, Shom offers training courses in hydrography and cartography and welcomes foreign trainees in these courses.

h. UK briefed about the hydrographic activities and INT charts/ENC production status along with capacity building courses offered to various developing countries. UKHO is a very active within the RSAHC region, they have produced 58 NE and 3 NC of paper charts also 4 new cells covering RSAHC region since RSAHC8. The UKHO has now announced its intention to withdraw from paper charts by the end of 2026. Whilst they do this, they will continue to maintain charts through Notice to Mariners or New Editions for safety updates. The UKHO is at the forefront of developing S-100 based products and services; they are doing this by working in collaboration and actively engaging with other Hydrographic Offices and industry partners.

## **REVIEW OF STATUS OF HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING IN RSAHC REGION (IHO PUBLICATION C-55)**

16. IHO Director highlighting the need for Member States to review their C-55 and IHO Yearbook (P-5) entries annually to ensure the information remains current. It was agreed that information contained in the National Reports would be checked against the current information and any changes would be noted. However, it was highlighted that, as the RSAHC does not meet every year, there was a need for MS to submit information in non-meeting years and Chairman to annually review the status of all member states.

## **REPORT BY INT CHART CO-ORDINATOR.**

17. RSAHC INT Chart coordinator (Mr. Saeid PARIZI) from Iran provided a comprehensive brief on INT charts statues in the region, it's been mentioned that few countries have provided their INT charts updated and encouraged all MS to login into IHO web catalogue, to manage the national information contained in the database, and to start revising their schemes to allow the Regional Coordinator to approve the amendments and generate an updated version of the regional scheme. In addition, All MS are requested to fill out all the fields of INT Charts tables in IHO web catalogue as much as possible.

18. INT Chart Coordinator highlighted that the current chart numbers related to one country are dispeed and is not sequential, both in terms of waters under jurisdiction and chart scales, and it would be great if such numbers could follow a sequence; according to this MS are encouraged to revise their INT chart scheme and consider renumbering of relevant INT charts to be sequential and forward their views to INT Charts Coordinator.

19. Throughout discussion, INT Charts Coordinator requested MS to provide their INT charts updates and information frequently and to give all the INT charts reports one month prior to each RSAHC Meetings through updating IHO Web Catalogue.

20. With regards to statistics of published INT Charts, charts produced by UKHO cannot be categorized in terms of the countries they cover as mentioned by INT chart coordinator; according to this INT Charts Coordinator requested UKHO to specify relevant INT charts for each country in their reports.

21. INT Charts Coordinator highlighted the INT Chart 751 issue is still unsolved between Pakistan and India. Pakistan mentioned that they raise this issue many times in NIOHC meetings but still no response.

22. UK touched on their plan to stop the production of paper charts by 2026, with the assurance that they would not leave the countries where UK is PCA without charting solution and they asked if any country within RSA have similar plans in coming future. Most countries responded that they would continue with paper charts production. In addition, IHO director confirmed IHO plan to develop guidelines for the automated production of paper charts meeting S-4 chart minimum content requirements from S-101 ENC data in coming future.

### **REPORT BY ENC REGIONAL COORDINATOR – PROGRESS ON THE IMPLEMENTATION OF ENC COVERAGE AND OTHER ISSUES.**

23. RSAHC ENC regional coordinator (Mr. Saeid Parizi) provided detailed brief on the ENCs released by MS and on the current ENC overlaps within RSA region. Throughout discussion following decisions have been agreed:

- a. All MS are required to provide the ENC Coordinator with the necessary information to update the report of the progress.
- b. ENC Regional Coordinator to send IC-ENC overlap report to all member states.
- c. Encourage relevant Member States to work bilaterally to resolve ENC overlaps issues within RSA.

### **PROMULGATION OF NAVIGATIONAL WARNINGS, MSI AND IMPLEMENTATION OF GMDSS IN NAVAREA IX**

24. NAVAREA-IX Coordinator (Pakistan) provided a comprehensive update on NAVAREA IX and regional MSI provision; this included a brief of operation and broadcast, statistics on MSIs

received and issued during last 03 years and contingency arrangements with NAVAREA VII. Moreover, Pakistan stated that it has signed an agreement with IRIDIUM for Transmission of MSIs in 2020.

25. With regards of MSI received, NAVAREA-IX Coordinator highlighted that there is no information received from Somalia, Djibouti, Eritrea, Sudan and Jordan in last three years, and urged all to establish and maintain effective communications with NAVAREA IX Coordinator to ensure the timely provision of MSI.

## **PRESENTATIONS FROM INDUSTRY**

26. The Commission received presentations from observers: IALA and MENAS and industry partners: EOMAP, Fugro, IxBlue and KONGSBERG. The technologies and advanced information regarding hydrographic equipment and charting were highly appreciated by the participants.

27. IALA highlighted their Strategic Vision which Marine Aids to Navigation are developed and harmonized through international cooperation and the provision of standards also, all coastal States have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise. Furthermore, IALA mentioned its commitments, policy and regulations. Moreover, the role of Academy in providing support and assistance for coastal states. In addition, IALA touched on its status transformation from a Non-Governmental Association to an Inter-Governmental Organization, and it's been agreed to encourage members for ratification and accession of the Convention on the change of IALA status.

28. MENAS is recognised as the most efficient MSI service provider in the Middle East Region. It presented the New Technology Equipment / System and MSI services. MENAS is accredited by IALA & Trinity House as a training organisation. The services were highly appreciated by the participants of the meeting

29. EOMAP's Aquatic Earth Observation services, which interest in mapping and monitoring coastal and aquatic environments. EOMPAP provides service and software provider for coastal and offshore stakeholders.

30. Fugro highlighted that only 23 % of the world's oceans have been mapped to modern standards and they use digital technologies for high speed hydrography which shows different technologies of surveying and collecting the data with high quality and resolution and the aim of their future planning is net zero by 2035.

31. IxBlue presented DriX USV in a Nutshell, the surface drone technologies which is Outstanding achievements on meeting IHO exclusive order requirements in Uncertainty and data density at 20m and Implementing Remote Hydrography and concept within new USV



maritime regulations. The advantages of this technology offers in terms of cost, time and quality.

32. KONGSBERG presented their USV Otter Pro+EM2040P IHM equipment which Great performance in shelter waters even with strong winds.VCS software easy to use to plan lines and solution to a limited number of hydrographers and surveys to perform. Main hydrographer can control the Otter data quality doing shallow surveys.

33. At the end of the presentations by industry, Chairman RSAHC extended thanks to the industry for their participation.

### **CAPACITY BUILDING (CB) MATTERS**

34. RSAHC CB Coordinator (Mr. Saeid Parizi) provided a comprehensive report on CB activities in the region, it's been mentioned that since RSAHC8 there were 3 Courses conducted through VTC in which RSAHC Member States participated, one candidate from RSAHC region accepted in IHO-NF-GEOMAC Category 'B' Cartography course and another one accepted in Category "B" Hydrographic Survey Program. Technical visit to Iran, was planned to be conducted in December 2022 by IHO/IALA but postponed to 2023 and in 1st half of 2023 there will be High-Level Technical Implementation Visit to Iraq. Moreover, there will be MSI Course planned to be conducted as a joint activity between RSAHC and NIOHC Regions in November 2022.

35. CB Coordinator highlighted some challenges faced in the region, among these challenges is some MS do not participate actively in IHO programs, while some others prefer to work with adjacent RHCs; It's been agreed that more cooperation is required from MS and to have excellent and effective means of communication between all MS in RSA to have better achievement in CB programs. It was also agreed that each state should submit its CB needs every year, and the CB coordinator should consider early notification of the date and venue of CB programs to MS to get required approval from the authorities.

36. Regarding limited IHO CB funds, IHO Secretariat strongly supports interregional cooperation between neighbour RHCs and joint CB submissions, also having virtual trainings in the favour of promoted cooperation between the neighbour RHCs. In addition, it was also discussed the possibility of obtaining additional financial support from RSA countries to support CB programs in the region, and it was decided to send a CL by chairman to request views/comments on ability of countries to provide additional funding to support CB programs. Also, IHO director encouraged all MS to provide contributions of online learning material to the Project Team established for the IHO e-Learning centre at KHOA and encourage all countries in RSA to use the e-learning centre.

## **DEVELOPMENTS OF MARINE SPATIAL DATA INFRASTRUCTURE (MSDI) IN THE REGION**

37. Mr. Tim Lewis (UK) gave a presentation on IGIF-MSDI Maturity Roadmap which provide an overview of Quick-Start Guide for undertaking an IGIF-aligned MSDI and highlight links to the IHO MSDI work to promote debate on MSDI's next steps in RSAHC.

The Chair highlighted the importance of MSDI for the countries and emphasis the importance of discussing MSDI requirements in RSAHC meetings. Mr. Tim Lewis stated that some of the RHCs have been already established MSDI Working Group in their respective regions and he suggested to establishing similar working group in this region.

38. IHO director encourage MS to be part of MSDI community and actively participate in IHO working groups related to MSDI and emphasise the importance of establishing working group within the region to promote MSDI. It's been agreed to send a CL by chairman to consider nomination of a coordinator to promote establishment of MSDI working group within RSAHC.

## **NOMINATION FOR EDITORIAL BOARD**

39. Chairman highlighted that the current editorial board (Mr. Hamdan Al Yahmadi) left ONHO and the position of editorial board became vacant and asked whether there were any volunteers. Nomination for editorial board has not been selected during the meeting, therefore the chairman will send a CL to consider nomination by the MS of next person to take over duties of editorial board.

## **DATE AND VENUE OF NEXT MEETING**

40. Final dates and venue would be declared by Chairman after consultation with IHO.

## **CLOSING REMARKS BY THE CHAIRMAN**

41. In closing remarks, Iran asked the Chair to discuss the current number of seats allocated for RSAHC in IHO Council. Iran stated that the current number of member states in RSAHC is eight (not counting Iraq), but IHO allocated only one seat in IHO council for RSAHC, because Pakistan was counted in NIOHC which it does not want. Pakistan confirmed that they expressed their preference to IHO to be counted in RSAHC and they have addressed the IHO again after issuance of IHO CL 43/2022.

42. IHO director highlighted that, according to IHO CL 27/2022, the Member States which are full members of more than one RHC, should indicate in which RHC they wish to be counted for, otherwise, the Secretary-General will allocate that State to the RHC that it joined first. However, it was agreed that Pakistan to liaise with IHO director on this matter and he will report this request to the Secretary-General. After counting Pakistan in RSAHC, Chairman to request IHO

Secretariat to update the number of seats allocated to RSAHC in IHO Council.

43. IHO director in his closing remarks reaffirm the importance of following the updates of S-100 Implementation Roadmap and urged RSAHC for the creation of a new role of S-100 Services Coordinator for the region.

44. The Chairman asked delegates if there were any additional comments. The Chairman extended his thanks to Member States, Associate Members, commercial companies, organizations and all present for their inputs attendance and contributions to the meeting. He also thanked IHO Secretariat for their guidance and help during the meeting.

45. IHO Director Luigi Sinapi commented on the success of the meeting and congratulated all participants for their active participation. He bode success to all and wished them a very fruitful session till next meeting. Members supported these comments and thanked Oman for successfully hosting and managing the meeting and all the associated arrangements.

46. The Chairman formally closed the meeting, looking forward to welcoming all participants back for RSAHC 10 meeting. At the end he wished all a safe return to their respective countries.

Annexes:

A. Full list of attendees (RSAHC9-Participants).

B. Actions List (RSAHC9-Actions).

**LIST OF PARTICIPANTS 9TH ROPME SEA AREA HYDROGRAPHIC COMMISSION  
MEETING (RSAHC9) FROM 15 TO 17 NOVEMBER 2022 AT MUSCAT- OMAN**

No.	Name	Country	Organization	Position	Contact Details
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**ACTION LIST 9<sup>th</sup> ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING (RSAHC9)**  
**FROM 15 TO 17 November 2022 AT MUSCAT- SULTANATE OF OMAN**

<b>No.</b>	<b>Action</b>	<b>Responsibility</b>	<b>Deadline</b>
1	Submit RSAHC Report for the coming Session of IHO Assembly.	Chairman	20 December 2022.
2	To consider Making data freely available for inclusion in the IHO DCDB and the widest possible use and to indicate their positions on the provision of CSB data.	All	Ongoing
3	Update IHO Yearbook P-5 and C-55 annually and Chairman to annually review the status.	All / Chairman	Ongoing
4	Encourage members to participate in IHO working groups and meetings.	All	Ongoing
5	Iraq to sign the RSAHC statutes IAW RSAHC statutes article 2 a, and forward to the RSAHC chair (copy to the IHO Secretariat).	Iraq / Chairman	Open
6	Establish and maintain effective communications with NAVAREA IX Coordinator.	All	Ongoing
7	Member States are requested to fill out all the fields of INT Charts tables in IHO web catalogue as much as possible.	All	Ongoing
8	Member States to provide their INT charts updates and information to the INT Charts Coordinator frequently and to give all the INT charts reports one month prior to each RSAHC Meetings.	All / INT Charts Coordinator	Ongoing
9	UKHO to specify relevant INT charts for each country when reporting to INT Charts Coordinator.	UKHO	Open
10	Provide contributions of online learning material to the Project Team established for the IHO e-Learning Center at KHOA.	All	Ongoing
11	Consider early notification of CB programs to get required approval from authorities.	Chairman / CB Coordinator	Open

12	Circulate letter requesting views/comments for additional fundings from RSA countries to support CB programs.	Chairman	30 December 2022
13	Member States are required to provide the ENC Coordinator with the necessary information to update the report of the progress.	All / ENC Regional Coordinator	Ongoing
14	ENC Regional Coordinator to send IC-ENC overlap report to all member states.	ENC Regional Coordinator	30 December 2022
15	Encourage relevant Member States to work bilaterally to resolve ENC overlaps issues within RSA.	All / ENC Regional Coordinator / Chairman	Ongoing
16	Circulate letter to consider nomination of a coordinator to promote establishment of MSDI working group within RSAHC.	Chairman	30 Dec 2022
17	Circulate letter to consider nomination of new S-100 Services Coordinator for RSAHC or the expansion of the role of Regional Chart Coordinator to include S-1xx products.	Chairman	30 Dec 2022
18	After counting Pakistan in RSAHC, Chairman to request IHO Secretariat to update the number of seats allocated to RSAHC in IHO Council.	Chairman / IHO Secretariat	2 February 2023
19	To encourage Members for ratification and accession of the Convention on the change of IALA status from a non-governmental organization to an intergovernmental organization.	All	Open
20	Circulate letter to consider nomination of next personal to take over duties of editorial board.	All	30 December 2022
21	Circulate letter to consider nomination of the CSB-GEBCO- Seabed 2030 Regional coordinator.	Chairman	30 December 2022