

**6<sup>th</sup> MEETING OF ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING  
(RSAHC 6)  
9 to 11 February 2015  
Abu Dhabi – United Arab Emirates**

**FINAL REPORT**

*Section numbering relates to Agenda numbering.*

*Note All RSAHC6 Documents are available from the IHO website:*

[http://www.iho.int/mtg\\_docs/rhc/RSAHC/RSAHC6/RSAHC6.htm](http://www.iho.int/mtg_docs/rhc/RSAHC/RSAHC6/RSAHC6.htm)

The opening ceremony for the 6<sup>th</sup> meeting of the ROPME Sea Area Hydrographic Commission (RSAHC 6) commenced at 09:30 am with Holy Quran and UAE National Anthem. It was followed by speeches from the Chairman of RSAHC 6, Colonel Adel Khalifa Al Shamsi, Manager of Marine project in MSD, and IHB Director Rear Admiral (Ret) Mustafa Iptes.

**1. Opening remarks by RSAHC Chairman and IHB.**

Colonel Dr Adel al Shamsi, Military Survey Department of UAE and Chairman of the RSAHC opened the meeting and welcomed all delegates and participants and thanked Rear Admiral (Ret) Mustafa Iptes for all his efforts. He highlighted the importance of the meeting to regional development in hydrographic and cartographic services and the broader safety of navigation and economic development.

He highlighted that more regular meetings were now being undertaken and he considered that this was a sign of a more focused and committed cooperation in the region for the future.

Director Mustafa Iptes (IHB) welcomed the meeting delegates and participants and thanked UAE for hosting the welcome dinner the previous evening. He highlighted the importance of the meeting to the continued development of the region and urged delegates to participate fully in the discussions. He was particularly pleased to welcome representatives from Iraq and noted this was an important step in their progress to full membership of the RSAHC and the IHO and future participation in IHO activities and Director Iptes extended IHO support to all members especially full members.

He noted the attendance of a number of representatives from industry and highlighted their importance in helping to progress the development of IHO technical programmes as well as regional capacity building initiatives.

Also Director Iptes highlighted the last capacity building activity which has been conducted last September in UAE and how UAE is an important member in the region and noting they are putting all their efforts into opening their Hydrographic office.

Also Director Iptes extend his invitation to Dr. Adel to join next IRCC which will be in Mexico next June.

## **2. Administrative arrangements.**

Military Survey Department from GHQ outlined the administrative arrangements for the meeting. The Chairman noted that Miss Rana Al Hamlawi, Executive assistant from Bayanat for Mapping & Surveying Services LLC would be acting as secretary for the meeting.

The Chairman then asked all the delegates to introduce themselves. He noted the absence of representatives from the IR of Iran and Kuwait; he concluded that despite these absences there was a quorum and therefore the meeting could proceed.

## **3. Approval of the Agenda and Timetable.**

The meeting approved the draft agenda and timetable without amendment.

## **4. Review of action items from the previous meeting (ERSAHC 1)**

The meeting reviewed the Action List from ERSAHC 1 and noted the majority of items would be addressed under the agenda for this meeting.

## **5. Review of the Statutes of the Commission.**

The Statutes were considered and no amendments were deemed necessary. IHB asked whether the Full Members would consider opening the offices to Associate Members to widen the pool from which they can be selected and lessen the burden on the few Member States (MS) who felt capable of taking on these roles. The Chairman considered further discussion would be required before any decision could be made.

Saudi Arabia asked on the number of MS who had signed the Statutes; the IHB advised that none had to date and recommended the MS consider carefully whether they wanted to change the current modus operandi, where all MS agree on the Statutes and have an excellent record of following them. IHB suggested there was not a need or cause to change this approach, particular noting the comments made by some MS at previous meetings regarding the challenges faced in working through national administrations to get a document of this nature approved for signature. It was agreed no further action should be taken.

## **6. Report by IHB.**

Director Iptes provided a report on IHB activities (RSAHC6-6.1). He urged MS to consider voting on the protocol of amendments to the IHO convention. He gave a general up-date on other activities, and highlighted future events and projects, including the IHO-GIS, WHD, EIHC 5, IHR and capacity building programme activities.

Details of the IRCC 6 (RSAHC6-6.2) were provided with a request to the Chairman to represent RSAHC at the meeting and the CBSC meeting beforehand. The HSSC 6 (RSAHC6-6.3) meeting was reported, particularly highlighting the agreed reorganization of the sub-committees and working groups, for which the HSSC is responsible. The delegates were urged to note the activities of these two important committees and act on the documents and Circular Letters published as a result.

The meeting noted the report. Saudi Arabia noted the EIHC 5 had not endorsed Satellite Derived Bathymetry (SDB) and suggested this fact should have been indicated in the IHB report. It was highlighted presentations on alternative methods for data gathering

would be given later in the meeting. The IHB acknowledged these methods did not at present meet the standards articulated in IHO publication S-44, it was noted that this publication should be considered an evolving document and that these methods could be included in some format in the future when they were more mature.

The Chairman raised the issue of national recognition of Category A and B certificates. It was suggested this should be addressed through national authorities.

IHB gave a short tour of the IHO website, highlighting the information documents and publications available. Director Iptes briefed the meeting on a number of CLs, urging MS to reply with comments or votes when required.

The Chairman asked for any additional comments.

## **7. National Reports.**

The Chairman invited MS to present their National Reports (RSAHC6-7.1 to 6-7.12).

Reports were received from Bahrain, France, Iraq, Oman, Qatar, Pakistan, Saudi Arabia, UAE, UK, and USA all of whom subsequently presented their National Reports. It was noted that Iran also submitted a National Report. Kuwait did not attend the meeting nor submit a report.

The Reports were discussed, in particular highlighting training activities taking place within the region and clarification of some details contained in the reports.

The following highlights were noted:

- 1) Bahrain's report was displayed on the screen and they updated the attendees regarding the major activities which have been done during the last period and they informed that they have the reloading capacity which can cover all GCC.
- 2) Qatar highlighted new surveys undertaken, assets available and that there is no changes in organization structure. Briefed on additional activities in which it was involved, including maritime boundaries, maritime zones delimitation and new publications.
- 3) UAE welcomed Iraq as a new Associate Member. It highlighted the main contents of its report, particularly assets, charts and nautical publications it generated. It expressed their wish to establish a hydrographical office.
- 4) Saudi Arabia briefed on activities of the General Commission for Survey, including surveys undertaken and charts produced, also details were provided on the full national chart scheme recently developed. It outlined training activities undertaken and developed. It provided highlights on current projects underway and associated support services provided.
- 5) Oman briefed on recent new hydrographical directorate organization structure within the Royal Navy of Oman. Also updates on paper charts

- ENC production were provided, activities and the training courses they have attended.
- 6) Iraq provided an up to date brief on progress and activities, intended plans for future development were also noted.
  - 7) UK reported on the continued sponsorship of the Nippon Foundation/UKHO Cat B nautical cartography training course, which is run at the UKHO.
  - 8) France provided an animated demonstration of the SHOM website and the availability to download hydrographic data under the INSPIRE directive.
  - 9) USA provided an up-date on NGA and NOAA activities and developments applicable to the region.

### **8. Review of Status of Hydrographic Surveying and Nautical Charting in the RSAHC (IHO Publication C-55).**

A presentations was given by Fugro (The Search for Malaysia Airlines flight MH370), which focused on the hydrographic aspects of the on-going search. This was followed by a presentation by QPS (A New kind of Chart), which highlighted data collection methods and data presentation other than nautical charts. Both presentations generated questions and discussion on data gathering and coverage of national waters. It highlighted the importance of the information in C-55 and the need to keep national entries upto date. As the final developments of the IHO GIS are undertaken, it was emphasised some MS may be surprised that their national entries are not as current as they might have wished. The IHO GIS is being populated with the most recently received information, thus the importance of ensuring the information provided to the IHB is the most upto date was clearly even more important.

### **9. Report by INT Chart Coordinator – Progress on the implementation of the RSA INT Chart Scheme, report on ICCWG meeting and other issue.**

Presentations were given by CARIS (Efficient Hydrographic Information Management) and IIC-Technologies (New Paths, New Approaches). Both generated a number of questions and wide ranging discussion, particularly on the concept of closer working and cooperation between Hydrography and Oceanography, which was highlighted by the new title of the head of the Canadian authority and the tools which is going to be used in this field.. The potential for a future IHO Oceanographic Database S-100 base product specification was raised and how it is going to be used widely in the near future as there are several researches and efforts in this area.

IHO commented that the Oceanography is not in the agenda of IHO and they would like to support this there is a need to combine the efforts between all parties in order to develop this area.

The IHB provided a brief on the INT Chart concept and roles (RSAHC6-9), in particular explaining some of the terminology and definitions in order to make it clear to all members. A number of questions were raised on the INT Chart concept and the relationship with ENCs and the WEND principles.

Considerable concern was raised on the absence of the INT Chart Region I Coordinator for a second meeting.

Oman highlighted the difficulties of up-dating the INT Chart scheme for the region and communications with the IR of Iran, the Region I Coordinator. It was agreed to hold an INT Chart coordination meeting and this should be arranged as a matter of priority,

preferably before the end of 2015 with all members which will be hosted by UAE and later on a report will be provided (Chairman confirmed action would be taken to contact the IR of Iran and seek ways to resolve the issue prior to RSAHC 7). The Chairman to write to the IR of Iran. **Action Chairman.**

Oman supported the UAE request for greater cooperation between MS.

It was acknowledged the presence of the IR of Iran was vital and that any meeting should submit a report to the RSAHC for approval and subsequent submission to the IHB. The Chairman asked all MS to review their national schemes and submitted updates to the Region I Coordinator by 15<sup>th</sup> March. **Action All MS** It was agreed also to hold an INT Chart coordination meeting in April, dates and venue to be confirmed on clarification of the availability of participants. **Action Chairman**

#### **10. WEND WG issues (IHB/ UK) including engagement and membership.**

The UK Chairman of the WENDWG briefed on WEND issues and activities (RSAHC6-10), highlighting some of the decisions taken at the last meeting and issues which require the attention of the RSAHC MS. The IHB gave a short brief on the roles and responsibilities of coastal states, which are articulated in the *Guidelines for the Implementation of the WEND Principles* as approved by IHO Member States as reported in the IHO CL 40/2014 dated 26 May 2014.

IC-ENC gave a presentation focusing on Training and Capacity Building; this was followed by a presentation by PRIMAR on their activities and initiatives. Both presentations generated a number of questions on various aspects of ENC's and ENC service provision.

Both the WENDWG Chairman and the IHB encouraged MS to engage with the WENDWG and for consideration to be given to attend the next meeting in Singapore at the beginning of March.

#### **11. Report by ENC Regional Co- ordinate (IR of Iran) - Progress on the implementation of ENC coverage and other issues.**

In the absence of the Regional Coordinator IR of Iran, all delegates agreed not to discuss regional ENC issues.

#### **12. Development of Marine Spatial Data Infrastructure (MSDI) in the region (IHO standing agenda item) (UK and IHB)**

Presentations were given by Jeppesen, SevenCs and Oceanwise. The participation of the industry was valuable and contributed to the meeting with highlights including new technologies, capacity building and standards. Introducing the topic of Marine Spatial Data Infrastructure (MSDI) in the region; gave presentations, respectively, on Integrated Data and GIS information, ENC and ECDIS issues from the customer perspective and Maximizing the Utility in Hydrographic Data. All presenters questioned in what sort of business were national Hydrographic Offices involved and where should they be heading as data utilization develops and expands.

The Chairman encouraged all MS to take note of the information provided in the presentations and for all RSAHC MS to become involved and develop into the MSDI

area. Director Iptes reiterated these comments and encouraged all to consider involvement in the IHO MSDIWG. He highlighted the importance of careful data management and also highlighted the move of the MSDIWG from HSSC to IRCC and noted it will be reporting to IRCC7 for the first time in June.

Oceanwise (secretary of the IHO MSDIWG) highlighted the CB courses available on MSDI management and he encouraged applications. The value and benefits of having trained personnel in MSDI management were emphasized. He also encouraged MS to release data to the numerous users, including the SOLAS requirement; this generated a wide ranging discussion on data availability.

UAE MSD will conduct a meeting with Oceanwise next July in order to discuss data Management workshop proposal in order to be provided to their staff and to other members in case they are interested to join.

### **13. Promulgation of radio navigation Warnings within NAVAREA IX area, MSI in NAVAREA IX and the implementation of GMDSS (Pakistan)**

The NAVAREA IX Coordinator provided a brief on MSI activities in the NAVAREA IX (RSAHC6-13.1) which is including 15 countries. He highlighted the infrequent communication with some coastal states within the NAVAREA IX and the need to investigate ways to improve the flow of warning and safety information to the NAVAREA Coordinator for dissemination to the maritime community. He confirmed the intention to maintain the current procedure to acknowledge communications and the receipt of submitted information and warnings.

The IHB gave a brief on the WWNWS-SC meeting outcomes (RSAHC6-13.2) and urged national MSI coordinators to work with NAVAREA IX Coordinator to establish Navtex service areas to better serve the maritime community.

NAVAREA IX Coordinator requested CB funding approval to build on the contacts established at the recent MSI course in Muscat in December, to improve communications and engagement with coastal states in the NAVAREA. **Action CB Coordinator**

### **14. Capacity Building (CB) matters.**

Skilltrade gave an up-date brief on hydrographical training and the development of competent surveyors into the future. E-learning activities were highlighted as an area of growing interest, particularly with industry.

Director Iptes gave a brief on IBSC activities and the future direction of hydrographical training. The Chairman encouraged MS to engage with training providers to ensure the best opportunities are realized.

The RSAHC CB Coordinator from UK Hydrographic Office **Mr Jeff Bryant** gave an update brief on CB activities in the region and those planned for 2015 and 2016 (RSAHC6-14.1). A video, made during the recent MSI course in Muscat, was shown to demonstrate the broader aspects of CB events. Pakistan gave a presentation on the Shallow Water Survey course (RSAHC6-14.2) held in Abu Dhabi.

The RSAHC CB Coordinator highlighted the CB training request bid form which had been passed to all MS. He asked MS to indicate their preferred activity bids for 2016 and 2017; noting these would be collated and discussed later in the meeting.

Director Iptes gave a presentation on Capacity Building (CB) activities and issues, he highlighted the past success of the programme which has generated a significant increase in CB requests and applications, and which have exceeded the resources available (a one to ten disparity!).

The current state of CB activity within the region was provided, suggested options for future activities were presented for consideration and MS were asked to provide bids on CB requirements to the regional coordinator.

CB Coordinator displayed the result of the CB bids (RSAHC6-14.4) and highlighted the proposed activities to be submitted to the CBSC13 meeting later in the year. He also confirmed a CL would be sent towards the end of the year seeking bids for 2017, which would be collated and submitted to the CBSC14 in 2016. Hosts for these bids were identified.

CB Coordinator noted it was important hosts were confirmed so that these courses went ahead; it was pointed out that due to the limited funding available any region which receives funding for a bid but does not hold the course, may impact on the success of future bids.

The Chairman asked Director Iptes to honour UAE students who joined Skilltrade training in "category B".

Also UAE confirmed their desire to host Tides & Water Levels training course during next September here in Abu Dhabi.

The Chairman acknowledged he would work with the CB Coordinator to ensure the RSAHC CB bids were submitted in a timely fashion.

#### **15. RSAHC Working Groups.**

The Chairman explained that if there were any requirements, WGs would be established to enhance or solve an issue.

#### **16. Relevant International Organizations' Report – highlights any event and decisions which impact on RSAHC.**

IHB gave an up-date report on IMO activities and relevant outcomes of committee and sub-committee meetings. (RSAHC6-16).

The President of CIRM gave an overview presentation on e-Navigation, how it would impact on MS and the next stages in the project. MS were encouraged to engage with the IMO project as it will have significant impact on the maritime community in the future.

Director Iptes provided details on IHO aspects of e-Navigation and activities in support of the IMO e-Navigation project.

KSA highlighted the importance of the e-Navigation concept and the IMO mandatory audit scheme. IHO assistance was requested in preparation for a future audit. UAE pointed out it was not an IHO function or responsibility but an individual MS with engagement with IMO to ensure compliance.

The Chairman summarised stating the importance of the issues to all MS.

#### **17. RSAHC representative to the IHR Editorial Board**

It was noted the current representative of the RSAHC to the IHR Editorial Board had retired and thus a replacement was needed. Oman, seconded by Qatar, suggested Saudi Arabia would be a suitable choice as they already undertook the role for the NIOHC. Director Iptes gave a short brief on the role of the regional representative to the IHR Editorial Board and suggested an alternative MS would be more appropriate. It was generally support and confirmed by the Chairman that Saudi Arabia would take on the role.

#### **18. RSAHC provision of shallow bathymetry to GEBCO Database (IHO standing agenda item) and alternative data gathering methods (SDB& CSB).**

IHB provided a short brief on IHO-IOC GEBCO shallow water bathymetry and how MS can contribute data (RSAHC6-18). The IHB then gave a presentation on Crowd-Sourced Bathymetry (CSB), which highlighted the lack of data in many parts of the world and the need to address this issue to support the improvement of GEBCO grids and products.

Proteus gave a presentation on Satellite Derived Bathymetry (SDB) and its potential to complement current data gathering methods, particularly in remote poorly surveyed coastal areas.

These presentations generated a number of questions from MS.

#### **19. Engagement and representation of RSAHC members with IHB, IHO, IRCC, HSSC and IHO WGs and committees,**

Director Iptes encouraged RSAHC MS to engage with and participate in IHO bodies to help expand the knowledge within the region whilst also having the opportunity to influence the activities. The Chairman reiterated these points

#### **20. Procedures in response to Marine Disasters.**

Director Iptes noted the on-going work to develop a Disaster Action Plan covering procedures in response to Marine Disasters. He indicated to the Chairman that assistance was available from the IHB with this work and on reporting progress to IRCC 7. **Action Chairman/IHB**

#### **21. RSAHC inputs to IRCC7**

The Chairman noted the requirement to submit a report to IRCC 7 on RSAHC activities.

#### **22. Comments on New logo for the RSAHC.**

The various designs were displayed and discussed (RSAHC6-22). It was agreed the IR of Iran proposal would be included in a final circulation to all MS with the announcement of the confirmed new Logo made by mid-April. **Action Chairman/All**



### **23. Any other business.**

All RSAHC MS were encouraged to consider attending the WENDWG and to carefully consider the employment of personnel on completion of IHO CB courses and activities.

### **24. Election of the chairman and vice –chairman**

There was general support for UAE to continue in the role as Chairman of the RSAHC and IR of Iran was confirmed as vice-Chairman.

### **25. Date and venue of next meeting (RSAHC No.7)**

Venue and dates for the next meeting, RSAHC 7, were discussed and are reported in the List of Actions.

### **26. Approval of List of Actions.**

The Action List was confirmed. The list of Actions arising from RSAHC 6 were reviewed and adopted and are attached at Annex B.

Saudi Arabia agreed to investigate hosting the next meeting, RSAHC 7, with a preceding ICCWG meeting, in late January 2017 in Jeddah. It was agreed this would be confirmed by January 2016.

### **27. Closing remarks by the Chairman.**

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 IHB for their guidance and help during the meeting.

Director Iptes commented on the success of the meeting and the fruitful discussions held. He looked to the future and the hope all full MS would be able to attend the next meeting and the progress achieved would be maintained. He also highlighted the considerable efforts of the secretary, Miss Rana al Hamalwi, without whose hard work the meeting would not have been the success, and all MS echoed this praise.

Members supported these comments and thanked the Chairman and UAE for so successfully hosting and managing the meeting and all the associated arrangements.

The Chairman formally closed the meeting, looking forward to welcoming all participants back for RSAHC 7 in 2017.

At the end he wished all a safe return to their respective countries.

Annexes:

- A. Full list of attendees (RSAHC6-Participants).
- B. List of Actions (RSAHC6-Actions).
- C. Full list of RSAHC6 documents.

**6<sup>th</sup> MEETING OF ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING  
(RSAHC 6)  
9 to 11 February 2015  
Abu Dhabi – United Arab Emirates**

**List of Participants**

<b>Chairman Group</b>			
Name	Organisation	Country	E-mail contact
Dr. Adel Al Shamsi	MSD	UAE	<a href="mailto:akahalifa@bayanat.co.ae">akahalifa@bayanat.co.ae</a>
Rana Al Hamlawi	Bayanat		<a href="mailto:rAlHamalwi@Bayanat.co.ae">rAlHamalwi@Bayanat.co.ae</a>
<b>Members</b>			
Name	Organisation	Country	E-mail contact
Haroon Muhammad	Pakistan Navy Hydrographic Department	Pakistan	<a href="mailto:2haroon@gmail.com">2haroon@gmail.com</a>
Juma Al Busaidi	Oman National Hydrographic Office	Oman	<a href="mailto:nhooman@omantel.net.om">nhooman@omantel.net.om</a>
Hamdan Al Yahmedi	Oman National Hydrographic Office		<a href="mailto:nhooman@omantel.net.om">nhooman@omantel.net.om</a>
Ahmed Al Mohannadi	Ministry of Municipality & Urban Planning	Qatar	<a href="mailto:aAlMohannadi8@mmup.gov.qa">aAlMohannadi8@mmup.gov.qa</a>
Vladan Jankovic	Ministry of Municipality & Urban Planning		<a href="mailto:vjankovic@mmaa.gov.qa">vjankovic@mmaa.gov.qa</a>
Salem Al Ghzwani	General Commission of Survey	Saudi Arabia	<a href="mailto:s.alghzwani@gcs.gov.sa">s.alghzwani@gcs.gov.sa</a>
Mushabab Riyzah	General Commission of Survey		<a href="mailto:r.rizah@gcs.gov.sa">r.rizah@gcs.gov.sa</a>
Krishnaswamy Srinivasan	General Commission of Survey		<a href="mailto:k.srinivasan@gcs.gov.sa">k.srinivasan@gcs.gov.sa</a>
Saud Al-Otaibi	General Commission of Survey		<a href="mailto:S.alotaibi@GCS.gov.sa">S.alotaibi@GCS.gov.sa</a>
Rashid Abdulla Alsuwaidi	Hydrographic Survey Directorate	Bahrain	<a href="mailto:Rashid.Alsuwaidi@slrb.gov.bh">Rashid.Alsuwaidi@slrb.gov.bh</a>
Suni John	Hydrographic Survey Directorate		<a href="mailto:Sunijohn@slrb.gov.bh">Sunijohn@slrb.gov.bh</a>
Saif Al Mazrouei	Bayanat for Mapping & Surveying Services	UAE	<a href="mailto:SAIMazrouei@Bayanat.co.ae">SAIMazrouei@Bayanat.co.ae</a>
Yousif Al Marzooqi	Bayanat for Mapping & Surveying Services		<a href="mailto:YAlMarzooqi@Bayanat.co.ae">YAlMarzooqi@Bayanat.co.ae</a>
Jasam Al Mazrooei	Bayanat for Mapping & Surveying Services		<a href="mailto:JAlmazrooei@bayanat.co.ae">JAlmazrooei@bayanat.co.ae</a>
Salman A. Sultan	Bayanat for Mapping & Surveying Services		<a href="mailto:SSultan@Bayanat.co.ae">SSultan@Bayanat.co.ae</a>
Marwa Mohammed	Bayanat for Mapping & Surveying Services		<a href="mailto:mmohamed@bayanat.co.ae">mmohamed@bayanat.co.ae</a>
Aneesa Al Tamimi	Bayanat for Mapping & Surveying Services		<a href="mailto:aaltamimi@bayanat.co.ae">aaltamimi@bayanat.co.ae</a>
Khalid Bin Dasmal	UAE Surveys		<a href="mailto:kdasmal@bayanat.co.ae">kdasmal@bayanat.co.ae</a>
Abdulla Al Mansourei	Boundary Affairs Council		<a href="mailto:abdulla@boundary.gov.ae">abdulla@boundary.gov.ae</a>
Yaqoub Al Hashemi	Boundary Affairs Council		<a href="mailto:yaqoub@boundary.gov.ae">yaqoub@boundary.gov.ae</a>
Ahmed Al Zaabi	Boundary Affairs Council		<a href="mailto:alzaabi@boundary.gov.ae">alzaabi@boundary.gov.ae</a>
Shmsa Al Ameri	ADSIC		<a href="mailto:Shamsa.alameri@adsic.abudhabi.ae">Shamsa.alameri@adsic.abudhabi.ae</a>
Jorge Merritt	ADSIC		<a href="mailto:jorge.merritt@adsic.abudhabi.ae">jorge.merritt@adsic.abudhabi.ae</a>

Eisa Al Hammadi	Abu Dhabi Municipality		<a href="mailto:Eisa.Alhammadi@adm.abudhabi.ae">Eisa.Alhammadi@adm.abudhabi.ae</a>
Eman Al Falasi	Dubai Municipality		<a href="mailto:MMBAQER@dm.gov.ae">MMBAQER@dm.gov.ae</a>
Mustafa Baqer	Dubai Municipality		<a href="mailto:EAKHATIBI@dm.gov.ae">EAKHATIBI@dm.gov.ae</a>
Khalid Shimo	Dubai Municipality		<a href="mailto:KASHIMO@dm.gov.ae">KASHIMO@dm.gov.ae</a>
Philip Skara	DOT		<a href="mailto:ahmed.almheiri@dot.abudhabi.ae">ahmed.almheiri@dot.abudhabi.ae</a>

### Associate Members

Michael Even	SHOM	France	<a href="mailto:even@shom.fr">even@shom.fr</a>
George Wallace	United Kingdom Hydrographic Office	UK	<a href="mailto:George.wallace@ukho.gov.uk">George.wallace@ukho.gov.uk</a>
Jamie McMichael-Phillips	United Kingdom Hydrographic Office		<a href="mailto:Jamie.McMichael-Phillips@ukho.gov.uk">Jamie.McMichael-Phillips@ukho.gov.uk</a>
Jeffrey Bryant	United Kingdom Hydrographic Office		<a href="mailto:jeff.bryant@ukho.gov.uk">jeff.bryant@ukho.gov.uk</a>
Sameer Marzooq	General Company of Iraq Ports-Ministry of Transport-Iraq	Iraq	<a href="mailto:s13027@wmu.se">s13027@wmu.se</a>

### IHB

Mustafa IPTES	Director	IHB	<a href="mailto:mustafa.iptes@iho.int">mustafa.iptes@iho.int</a>
David Wyatt	A/Director	IHB	<a href="mailto:adso@iho.int">adso@iho.int</a>

### Observers

Roger P.Ford	NGA Maritime Safety Office	USA	<a href="mailto:Roger.P.Ford@nga.mil">Roger.P.Ford@nga.mil</a>
Keery Legendre	Naval Meteorology and Oceanography Command (CNMOC)		<a href="mailto:kerry.legendre@navy.mil">kerry.legendre@navy.mil</a>

### Industry and Organizations

Charles De Jongh	NA	CARIS	<a href="mailto:charles.de.jongh@caris.nl">charles.de.jongh@caris.nl</a>
James Harper	NA	International Centre for ENC's (IC-ENC)	<a href="mailto:james.harper@ic-enc.org">james.harper@ic-enc.org</a>
Bjoern Roehlich	NA	SevenCs GmbH	<a href="mailto:bjoern.roehlich@sevencs.com">bjoern.roehlich@sevencs.com</a>
Chris Collier	NA	Fugro	<a href="mailto:c.collier@fugro-uae.com">c.collier@fugro-uae.com</a>
Derrick Peyton	NA	IIC Technology	<a href="mailto:derrick.peyton@iictechnologies.com">derrick.peyton@iictechnologies.com</a>
Barry Vine	NA	Geo Sciences	<a href="mailto:b.vine@horizon-geosciences.com">b.vine@horizon-geosciences.com</a>
Rami Hazime	NA	Digital Globe	<a href="mailto:Rami.Hazime@digitalglobe.com">Rami.Hazime@digitalglobe.com</a>
Rebort Sandvik	NA	PRIMAR	<a href="mailto:robert.sandvik@ecc.no">robert.sandvik@ecc.no</a>
Minika Bjorge	NA	PRIMAR	<a href="mailto:Minika.Bjorge@kartverket.no">Minika.Bjorge@kartverket.no</a>
Somnath Marthi	NA	IIC Technology	<a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a>
Richard Flemmings	NA	Proteus	<a href="mailto:rf@proteusgeo.com">rf@proteusgeo.com</a>
John Pepper	NA	Ocean wise	<a href="mailto:John.pepper@oceanwise.eu">John.pepper@oceanwise.eu</a>
Michael Bergmann	NA	Jeppesen and CIRM	<a href="mailto:michael.bergmann@jeppesen.com">michael.bergmann@jeppesen.com</a>
Duncan Mallace	NA	QPS	<a href="mailto:dmallace@qps.nl">dmallace@qps.nl</a>
Johan Stam	NA	SkillTrade	<a href="mailto:jstam@skilltrade.nl">jstam@skilltrade.nl</a>

**6<sup>th</sup> MEETING OF ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING  
(RSAHC 6)  
9 to 11 February 2015  
Abu Dhabi – United Arab Emirates  
ACTION LIST**

<b>No</b>	<b>Action</b>	<b>Responsibility</b>	<b>Deadline</b>
1.	Contact Kuwait and encourage engagement with and attendance at RSAHC meetings and other IHO events	Chairman	30 June 2015
2.	To consider further efforts to provide a response to the IHB on the ratification of the Protocol of the Amendments to the IHO Convention	Bahrain/Kuwait/Oman/UAE	On going
3.	To inform IHB of any changes to data and information published on the IHO website, C55 and IHO Year Book	All	On going
4.	To engage with Region I INT Chart Coordinator to seek ways to improve communication between Coordinator and Member States	Chairman/IR of Iran/IHB	15 March 2015
5.	Plan ICC WG meeting	Chairman/All	6 May 2015
6.	Confirm national chart schemes and provide updates to Region I Coordinator	All	15 March 2015
7.	To keep update of the ENC coverage and inform [Region I] ICCWG Coordinator	All	On going
8.	To consider provision of shallow water bathymetric data to IHO-IOC GEBCO programme through the IHO DCDB	All	On going
9.	To contribute with articles and notes for International Hydrographic Review (IHR)	All	On going
10.	To regularly check IHO website for notification of events and update information	All	On going
11.	To develop Marine Spatial Data Infrastructure (MSDI) in the region, to engage with the IHO MSDI WG and other GIS activities including UN GGIM	All	On going
12.	To ensure personnel nominated for CB courses and workshops are correctly employed on completion	All	On going
13.	Correct training inputs to be submitted by RSAHC CB coordinator	CB Coordinator	1 March 2015
14.	Provide timely MSI data to NAVAREA IX Coordinator and generate receipting for submitted data and warnings	All/Pakistan	On going
15.	Member states to ensure prompt promulgation of radio navigation warnings within NAVAREA IX area, MSI in NAVAREA IX and the implementation of GMDSS	All	On going
17.	Member states to discuss the creation of Navtex service areas with NAVAREA IX Coordinator to avoid duplication of MSI and to ensure all sea areas are covered rather than just national waters	All/Pakistan	WWNWS-SC 7
18.	Propose to CBSC a technical visit by NAVAREA IX Coordinator to NAVAREA IX coastal states to promote provision of MSI	CB Coordinator	1 March 2015
19.	Generate draft RSAHC Disaster Action Plan and report to next IRCC	Chairman	IRCC 7

20.	Circulate all Logo versions for final selection	Chairman	28 February 2015
21.	Member states to confirm selection of logo to Chairman	All	31 March 2015
22.	Announce new RSAHC logo	Chairman	14 April 2015
23.	Draft meeting report on RSAHC6	Chairman	27 February 2015
24.	Comments on the draft of RSAHC6 report	All	27 March 2015
25.	KSA to confirm dates of the RSAHC7 meeting as 23-25 January 2017 with ICCWG on 22 January 2017 or 30 January to 1 February 2017 with ICCWG on 29 January 2017	Chairman/KSA	14 January 2016
26.	Issue invitation letter to RSAHC7	Chairman	8 September 2016
27.	RSAHC Inputs to CBSC	Chairman/CB Coordinator	1 April 2015
28.	RSAHC Inputs to IRCC	Chairman	1 April 2015

**6<sup>th</sup> MEETING OF ROPME SEA AREA HYDROGRAPHIC COMMISSION MEETING  
(RSAHC 6)  
9 to 11 February 2015  
Abu Dhabi – United Arab Emirates**

**List of Documents**

Document No	Document Title
ERSAHC 1_Report	<a href="#">Final Report of ERSAHC 1 meeting</a>
ERSAHC 1_Actions	<a href="#">List of Actions from ERSAHC 1 - to date 15 October 2014</a>
RSAHC CL 01-2014	<a href="#">RSAHC 6 Meeting Notification</a>
RSAHC CL 01-2014 Annex A	<a href="#">RSAHC 6 Registration Form</a>
RSAHC CL 01-2014 Annex A	<a href="#">RSAHC 6 Registration Form (Word format)</a>
RSAHC CL 01-2014 Annex B	<a href="#">RSAHC 6 Logistic Information</a>
RSAHC CL 01-2014	<a href="#">RSAHC 6 Hotel Reservation Form</a>
RSAHC 6 – Maps	<a href="#">Armed Forces Officers Club and Hotel Internal Orientation Maps</a>
RSAHC 6 - Ritz-Carlton	<a href="#">Ritz-Carlton Hotel Location Map</a>
RSAHC 6 - Ritz-Carlton	<a href="#">Ritz-Carlton Hotel Details</a>
RSAHC 6 - Agenda	<a href="#">RSAHC 6 Agenda v4.0</a>
RSAHC 6 - Time Table	<a href="#">RSAHC 6 Programme v7.0</a>
RSAHC 6 - Presentations	<a href="#">RSAHC 6 Observer Presentation Programme v3.0</a>
RSAHC 6-5	<a href="#">RSAHC Statutes</a>
RSAHC 6-6.1	<a href="#">IHB Report</a>
RSAHC 6-6.2	<a href="#">HSSC6 Report</a>
RSAHC 6-6.3	<a href="#">IRCC6 Report</a>
RSAHC 6-7.1	<a href="#">Bahrain National Report</a>
RSAHC 6-7.2	<a href="#">France National Report</a>
RSAHC 6-7.3	<a href="#">IR of Iran National Report</a>
RSAHC 6-7.4	<a href="#">Iraq National Report</a>

<b>RSAHC 6-7-5</b>	<b>Kuwait National Report</b>
<b>RSAHC 6-7.6</b>	<b><a href="#">Oman National Report</a></b>
<b>RSAHC 6-7.7</b>	<b><a href="#">Pakistan National Report</a></b>
<b>RSAHC 6-7.8</b>	<b><a href="#">Qatar National Report</a></b>
<b>RSAHC 6-7-9</b>	<b><a href="#">Saudi Arabia National Report</a></b>
<b>RSAHC 6-7-10</b>	<b><a href="#">United Arab Emirates National Report</a></b>
<b>RSAHC 6-7.11</b>	<b><a href="#">UK National Report</a></b>
<b>RSAHC 6-7-12</b>	<b><a href="#">USA National Report</a></b>
<b>RSAHC 6-9</b>	<b><a href="#">INT Chart Coordinator Report</a></b>
<b>RSAHC 6-10</b>	<b><a href="#">WENDWG Report</a></b>
<b>RSAHC 6-11</b>	<b><a href="#">ENC Coordinator Report</a></b>
<b>RSAHC 6-13.1</b>	<b><a href="#">NAVAREA IX Coordinator Report</a></b>
<b>RSAHC 6-13.2</b>	<b><a href="#">WWNWS-SC Report</a></b>
<b>RSAHC 6-14.1</b>	<b><a href="#">CB Coordinator Review</a></b>
<b>RSAHC 6-14.2</b>	<b><a href="#">Shallow Water Survey Course Report</a></b>
<b>RSAHC 6-14.3</b>	<b><a href="#">CB Plan</a></b>
<b>RSAHC 6-14.4</b>	<b><a href="#">CB Requests</a></b>
<b>RSAHC 6-16</b>	<b><a href="#">IMO and other Organizations Update</a></b>
<b>RSAHC 6-18</b>	<b><a href="#">GEBCO Presentation</a></b>
<b>RSAHC 6-22</b>	<b><a href="#">Proposed RSAHC Logos</a></b>
<b>RSAHC 6</b>	<b><a href="#">List of Participants</a></b>
<b>RSAHC 6</b>	<b><a href="#">Presentations zip</a></b>