

**MINUTES OF THE 10<sup>TH</sup> SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC  
COMMISSION (SAIHC) CONFERENCE  
IHPT Lisbon, Portugal 17 - 18 September 2013**

*Note: Paragraph numbering corresponds to Agenda Item numbering (Annexure A), and not necessarily to the order in which matters were discussed.*

**TUESDAY 17 SEPTEMBER (Day 1)**

**Agenda item 1: OPENING AND ADMINISTRATIVE ARRANGEMENTS**

At 09:15, Captain Abri Kampfner, the Chairman of SAIHC, started proceedings and welcomed all participants to the 10<sup>th</sup> SAIHC Conference. The members of industry were thanked for their presence and continued support to the workings of SAIHC. He thanked Rear Admiral (RAdm) António Silva Ribeiro, the Hydrographer of Portugal, for hosting the first ever SAIHC Conference to be held outside the SAIHC region. He also thanked Mr Robert Ward, President of the International Hydrographic Bureau (IHB) for his presence and direct involvement in the affairs of SAIHC.

The Chairman informed the conference of the administrative arrangements before inviting RAdm. António Silva Ribeiro to address the meeting. The list of participants is attached as **Annexure B**.

**Opening Ceremony**

At 09:20 the opening of the 10<sup>th</sup> Conference of the Southern Africa and Islands Hydrographic Commission was called to session by the following distinguished speakers:

**Welcome Address RAdm. António Silva Ribeiro**  
National Hydrographer Portuguese Navy

RAdm António Silva Ribeiro, expressed a warm welcome to all present at the 10<sup>th</sup> SAIHC Conference, saying that it was a privilege and honour for his Institute to host the SAIHC conference in Lisbon. He also conveyed a special greeting to President Robert Ward. He went on to emphasise Portugal's commitment in the SAIHC region and also gave his assurance of support to the Chairman of SAIHC.

He explained the historical role of Portugal in the SAIHC region and highlighted the bond Portugal shares with Angola and Mozambique. He gave his assurance that Portugal is committed to providing technical support to Angola and Mozambique in particular and to the SAIHC region in general. RAdm António Silva Ribeiro explained the role of the Institute as well as how his country benefits from hydrography when he outlined the historical development of hydrography in Portugal and the work done by the Institute of Hydrography in areas such as the determination of the economic exclusive zone and the part that the Institute has played in the extended shelf claim for Portugal. He mentioned that Lisbon is a cultural and vibrant city and hoped that the participants may experience some of this during their visit.

He concluded by noting that the delegates present at this conference was an indication to him of the partnership that exist in hydrography within the SAIHC region and stressed that it is vital to maintain these partnerships in this community in order to ensure safety of navigation.

**Address by President Robert Ward**  
International Hydrographic Bureau (IHB)

President Robert Ward extended greetings from IHB to the delegates. He spoke briefly on the importance of the conference and asked the question “why are we here?” He answered this by stating that it is to ensure that the world’s oceans are properly surveyed and charted. In the geospatial context, there is a need for good quality data on land, in the sea and also in the coastal zones. The production of better quality products can only be achieved when such data is shared by relevant authorities. This can only be achieved when people are prepared to learn from each other and to share data.

Coastal states should not place all their emphasis on land geospatial matters. They also need to recognize their obligations and responsibilities towards hydrography if they are to contribute towards this aim of charting the oceans adequately and the production of reliable products. Hydrographers have a very important role to play in raising the profile and importance of hydrography within their countries. He encouraged the participating nations at the conference to make use of this opportunity to raise their concerns and needs and also to learn from each other. He closed by wishing all a successful conference.

**SAIHC10 - OFFICIAL GROUP PHOTOGRAPH**

Meeting proceedings reconvened after the group photograph.

**Agenda item 2: APPROVAL OF THE AGENDA (Annexure A)**

The Chairman requested all participants of the conference to give any additional inputs for topics to be discussed at the conference. No inputs were received and the published agenda was accepted with no changes. UK proposed the acceptance of the agenda and this was seconded by Mauritius.

**Agenda item 3: MATTERS ARISING FROM MINUTES OF 9<sup>th</sup> SAIHC MEETING**

3.1. Signing of Statutes.

The Chairman of SAIHC confirmed that Angola had signed the Statutes just prior to the start of this conference.

3.2. Countries in the SAIHC region to provide capacity building inputs.

The Chairman indicated that this is a standing action and that as Capacity Building is a standing agenda item, feedback will be given on identified requirements. **(Action Item 1).**

3.3. IHO Response to Marine Disasters. All are to ensure that emergency contact details are provided and kept up to date.

Only Mauritius provided the relevant information. The Chairman emphasised the importance of this to the mariner and urged other members of SAIHC to give this thought and provide him the necessary information in order to populate the information on the SAIHC website. **(Action Item 2).**

3.4. Implement action to accelerate the process of ratification of the Protocol of Amendments to the IHO Convention.

Mozambique whose action on this matter is outstanding stated that they are trying their best to get approval from their Cabinet.

3.5. Encourage the approval of pending applications of States for IHO membership.

The Chairman informed the meeting that South Africa's process is underway. UK and France indicated that they approved all applications. Norway could not give a conclusive answer after two years communication on this matter. Portugal confirmed that they are in contact with their foreign affairs ministry where the process is currently at.

3.6. Responses required to IHO ENC Reference Collection and ENC Availability Catalogue.

Action completed. The Chairman closed this item.

3.7. Reminder to all Member States. All survey data to be forwarded to relevant INT charting authorities.

The Chairman emphasised the importance of countries to forward their respective data to the INT chart producer nations. UK commented that they received data from Kenya for the port of Mombasa.

3.8. Mozambique to supply survey data to Malawi. Mozambique has provided Malawi with some charts but has not yet received feedback. Malawi to reciprocate. (Data exchange).

Mr Humberto Mutevuie (Mozambique) informed the Chairman that no data has been received from Malawi. Mr Michael Mzuzu (Malawi) stated that they received charts from Mozambique, but these charts do not involve the area on both side of the median line. Malawi also indicated that when they produce charts that involve either side of the median line, they would share this information.

The Chairman closed this action as it can be resolved through bilateral discussions between Malawi and Mozambique. Both States accepted with no objections.

3.9. Capacity Building. Malawi to ensure to request a technical expert to assist with getting survey system up and running once R.V. TIMBA is operational. Norway Hyd Service has paid Malawi a visit in this regard.

Mr Michael Mzuzu (Malawi) indicated that they are making progress to ensure that the vessel is operational and stated that their government has agreed that the vessel needs to be available.

Norway informed the committee that the last meeting Malawi was tasked to provide Norway with a list so that they can approach their government for funding. To date no list has been sent by Malawi. Malawi requested to provide a list of needs to Norway (**Action Item 3**).

3.10. SAIHC Member States and Associate MS to respond to IALA Questionnaire.

Comoros was not present at the conference to provide feedback. Namibia indicated that they are still working on the questionnaire. Mozambique confirmed that it is complete.

- 3.11. Member States to provide updates to IHO C-55 as appropriate at least once a year.

The Chairman requested member States of SAIHC to take note of the importance of this publication and to provide their inputs whenever changes occur to ensure that the data remains relevant. **(Action Item 4).**

- 3.12. All deep ocean bathymetric data collected to be forwarded by HOs to the IHO Data Centre for Digital Bathymetry (IHO-DCDB).

IHB President briefed the conference on the importance of this to the mariner and said that HO's should forward deep ocean bathymetric data to the IHO bathymetric data centre in Boulder, Colorado and urged MS to provide bathymetric data should they obtain it. Currently the Directing Committee is investigating the expansion of the database and improving an improved upload and download capability.

The Chairman also emphasised the importance of this and urged member states to participate in this by sourcing and providing data to the IHO Data Centre. Reporting on this by MS at the conference will become a standing agenda item **(Action Item 5).**

- 3.13. RHC Chair to consider inviting IALA to attend RHC meetings to give a briefing and discuss any initiatives for joint activities.

Unfortunately due to another regional meeting IALA could not attend but they will be invited to attend the next SAIHC conference. **(Action Item 6).**

- 3.14. RHC Chair to consider inviting GEBCO/Bathymetric Regional Project Chairman to RHC meetings with the aim of improving high resolution shallow water bathymetry at the regional level.

Invitation was sent by the SAIHC Chair but no response was received. An invitation will be sent again for the next conference. **(Action Item 7).**

- 3.15. Capacity Building requirement spreadsheet. Member States are requested to deliver their input.

Completed. The Chairman closed this item.

- 3.16. Proposed amendment to Resolution 1 of 2005 dealing with Response to Disasters. Member States are to provide comment on the revised text to Annex

This item will be discussed during the SAIHC conference.

- 3.17. Mismatch of ENC coverage within Region H. Matter to be referred to WEND.

UK reported to the conference that the information was discussed pertaining the difference in coverage. This led to the production of a new chart and subsequent updates. The Chairman closed this action item.

- 3.18. Kenya requested assistance with the procedure in applying for IHO membership.

The Chairman confirmed that assistance had been given by various members of SAIHC. The IHB President reported that he had provided the information to Kenya but has not received notification of action by Kenya at the IHB.

The Chairman informed the conference that during the technical visit to Kenya it was confirmed that they did obtain government approval to proceed and that he can confirm that the process is in progress. The Chairman closed this item.

3.19. Kenya inquired about the availability of charts locally as there is no local UK distribution agency. UK was requested to investigate.

UK informed the committee that an investigation was conducted and that there is no agency in the area to provide charts, however anyone may apply to become a UKHO chart distributor. The Chairman requested Kenya to engage with UKHO to resolve this problem. **(Action Item 8)**.

3.20. Kenya is to raise capacity building assistance

The Chairman informed the committee that Kenya had identified areas where capacity building is needed and this matter had been discussed during the last technical visit to Kenya. One of the areas was assistance with the calibration of tide gauges and tidal theory. The chairman pointed out that such training/ assistance would also be of benefit to the entire SAIHC region and not only Kenya.

3.21. Coordination of Arrangements of 10<sup>th</sup> SAIHC Conference to be held in Lisbon on 18-19 September 2013.

The Chairman congratulated Portugal for successfully arranging the 10<sup>th</sup> SAIHC conference.

3.22. Confirmation of hosting of 11<sup>TH</sup> SAIHC Conference in 2014.

This item will be discussed at the end of this conference.

#### **Agenda item 4: FEEDBACK FROM OTHER IHO BODIES AFFECTING SAIHC**

##### **4.1. IHB Report**

The President of the IHB briefly explained the role and functions of Directors. He praised the dedication of his fellow directors in their specific roles and contribution to the IHO. He also urged countries to become members of the IHO. He also stated that the IHO has to make States aware of the importance of being a member of IHO. The IHB President added that the benefits of additional IHO members is that the contributions received from those new MS will in the main contribute to increasing capacity building.

He reported on the progress made in the field of the GIS database and said that a model or pilot database is currently being prepared for the Antarctic region. Once it is completed the model will be available for other regions to use. It will comprise of two databases; one being the geospatial database i.e. chart boundaries, traffic routes, etc and the other being a factual database i.e. vital contacts. This will be more of a region to region requirement. A demo version will be available most likely by the end of the year and it is the intention (currently being investigated) to make it available online.

Under the subject of IHO Publicity, the President informed the conference that the theme: “*Hydrography, supporting the blue economy*” was still active. Through this theme the IHB has hoped to raise the profile of hydrography. He also emphasised that the next theme will not draw attention to charts alone but should embody hydrography in the broader sense.

He invited members of SAIHC that do not receive the commercial publication “Hydro International”, that he would seek free copies if they provided their contact information to the IHB. **(Action Item 9).**

The President indicated that they are investigating the feasibility of a detailed bathymetric database which includes metadata, providing the capability of going to the source data and also being able to upload data to this database. The aim of this is also to enable every vessel with an IMO number to upload collected data to this database as part of a crowd-sourced bathymetry programme.

A fruitful discussion took place on how hydrography can be promoted and brought to the attention of politicians and other key stakeholders. It was suggested by the Chairman that opportunities to brief the Southern African Development Community (SADC) forum (through SAMSA) be sought and IHB obtain an invitation to HYDRO15 which is scheduled to take place in South Africa in 2015. Mr Michael Bergman (Jeppesen) suggested that some examples be formulated to show why hydrography is important to a country and Mr John Pepper (Oceanwise) informed the meeting that they had an action plan for the next five years to sensitize stakeholders and politicians in this regard.

#### **4.2. *Inter-Regional Coordination Committee (IRCC)***

The Chairman informed the meeting that he represents SAIHC at IRCC meetings. He highlighted some actions affecting RHCs arising from the last meeting that took place in June in Wollongong, Australia.

#### **4.3. *Capacity Building Sub-Committee (CBSC)***

The Chairman informed the members of the activities that were completed in accordance with the work plan as well as the published plan for CB. He made mention that a Cat A Master’s degree course in hydrographic surveying course, sponsored by the Republic of Korea, was currently underway in the USA; and that a module of the Cat B cartography course, sponsored by the Nippon Foundation, was also conducted. Details of these training opportunities for IHO Member States were published in IHO circular letters.

He also made mention that a SAIHC Phase 1 Chart Awareness Course was conducted in South Africa and that students who attended reported back that the course was valuable to them. A Maritime Safety Information course is scheduled to take place in Cape Town in December and all were urged to respond to the SAIHC letter inviting nominations.

### **Agenda item 5: SAIHC ACTIVITIES IN THE LIGHT OF THE IHO WORK PROGRAMME**

#### **5.1. *Presentation of National Reports***

France, South Africa, Portugal, Mauritius, Mozambique, Malawi, Norway, Namibia, United Kingdom and Angola presented their national reports.

All reports are available on the SAIHC website.

## 5.2. Industry Presentations

At 16:00 the meeting was adjourned and Industry presentations took place in the following sequence:

QPS: Mr Richard Hill – “Maritime Geomatic Data Seamless Workflow”.

Caris: Mr Charles de Jongh – The CARIS Ping-To-Chart Solution.

Kongsberg: Mr Jan Haug Kristensen – “Kongsberg Maritime”.

## WEDNESDAY 18 SEPTEMBER (Day 2)

### 5.2. NAVAREA VII

Mr Sidney Osborne (ZA) gave a presentation on Maritime Safety Information (MSI) and the current status in NAVAREA VII. Malawi and Mauritius pointed out deficiency in the reception of MSI related broadcasts and this prompted the IHB President to inquire on measures required to improve the capability and whether the IHO Subcommittee on the Worldwide Navigations Warning Service (WWNWS) was aware of this and subsequently whether the IMO was also aware of these issues. The Chair responded that a NAVAREA VII report is rendered to the WWNWS that in turn submits a consolidated report on MSI to the relevant IMO committee.

The Chair requested the members of SAIHC to identify suitable person(s) to deal with the implementation of MSI in their country and to nominate a member to attend the planned MSI course. **(Action Item 10)**.

The IHB President also emphasised that MSI is a SOLAS responsibility and that the IHO should make IMO aware where problems exist. IHO Member States should make their national delegates to IMO aware of such deficiencies in their respective areas. **(Action Item 11)**.

### 5.3. Marine / Hydrographic Spatial Data Infrastructures (SDI)

Mr John Pepper (OceanWise) spoke briefly on Marine Spatial Data Infrastructure (MSDI) as a concept of SDI that encompasses marine geographic and business information. This would typically include seabed topography (bathymetry), geology, marine infrastructure, administrative and legal boundaries, areas of conservation and marine habitats and oceanography.

RAAdm Tom Karsten (UK) enquired if there is any model that can be used to show people outside hydrography, the importance of the MSDI concept. John Pepper replied that such a model exists but is very much in the developmental stage as it is based on the user’s requirement.

### 5.4. Procedures in response to Marine Disasters

L’Ingénieur Principal Eric Langlois (France) gave a presentation on marine disasters and the extension of current IHO framework.

SAIHC members were encouraged by the IHB President to identify ways to improve the IOC Tsunami Program in the region and to support the proposal of France to

extend the framework of resolution 1/2005 to include the providing of real time or near real time tidal data to assist with the prevention of tsunami disasters and alert systems for tsunamis. **(Action Item 12).**

The IHB President requested France to take the lead on how to move this topic forward from here. Mr Noralf Slotsvik (Norway) informed about the national software for collection of (near) real time data and said that Norway is willing to share this software.

He furthermore requested members to establish what they can do in the region with regard to early warning of tsunami events. They were asked to establish whether their network is available to gather near/ real time tidal data and to report to the SAIHC. **(Action Item 13).**

### **5.5. Satellite Derived Bathymetry (SDB)**

Mr George Wallace (UK) made a presentation on the UK experience so far on the viability and progress made in using SDB as a hydrographic tool for obtaining bathymetry where conventional methods were not possible.

The Chair commented that as France and the UK have done extensive research and have experience on this topic that they provide feedback on the progress and their findings at the next SAIHC meeting. **(Action Item 14).**

## **Agenda Item 6: INTERNATIONAL CHARTING COORDINATION**

The ICCWG conducted its meeting on Monday 16<sup>th</sup> September 2013. The Chair stated that the meeting was valuable and constructive as it allowed all INT Chart Producers to provide updates to the IHO publication S-11 with respect to production programmes and the INT Chart scheme of Region H. He reminded SAIHC members of the need to communicate the changes in their national waters that impact on safety of navigation and affects published INT charts (e.g. port developments) and to provide ample warning and the necessary data to the INT chart producers. **(Action Item 15)**

He displayed the action items arising from this meeting and went through it for the benefit of the conference. The chairman stated that the ICCWG meeting will take place again as an extra session to the 2014 SAIHC conference.

IHB President emphasised that the ICCWG sits at the heart of the regional commission and that every state should take an interest in the work of this group so that they may ensure that the region is properly covered by suitable navigational charts.

## **Agenda item 7: REGIONAL CAPACITY BUILDING PROGRAMME**

Mr Jeffrey Bryant (UK) presented the current status of capacity building, which embraced the following phases:

- Phase 1: MSI Development.
- Phase 2: Survey Capability.
- Phase 3: Production of charts and publications.

He then briefed the meeting on the following capacity building that has taken place to date and the planned training in the SAIHC region, this being:



- Technical visits to Kenya, Tanzania and Mozambique.
- A phase one MSI Skills Course, which took place in Fish Hoek, South Africa.
- Category B Cartography module hosted in the UK (Mozambique Incl).
- A CAT A surveyor training program, sponsored by the Republic of Korea, held at the University of Southern Mississippi. (Mauritius is making use of this opportunity).
- On the job training in chart production provided by Brazil in Mozambique.
- A planned MSI course with venue and dates confirmed to be to be in South Africa in the second week of December 2013.
- A two week course, sponsored by IMO, in basic hydrographic survey. Venue and dates to be decided.

Mr Bryant then outlined the proposed courses that need to be scheduled in 2014 and encouraged SAIHC members to host these events as the host country gets reserved slots on the course they are hosting and can usually benefit by having more candidates on course. The UK indicated they will provide the training in many cases and assist with the logistics for these courses but seek a host country from member states. The following areas of training have been identified:

- Tidal theory and a tidal level workshop.
- On the job hydrographic survey training.
- Basic Hydrographic course and nautical charting.

The IHB President noted that some capacity building had been provided to associate member States of the commission. He emphasised that only Member States of IHO are likely to be eligible for the sponsored survey and cartography courses in the future. The Chair requested all members of SAIHC to respond to the SAIHC Circular Letter 2 wrt hosting and attending courses. **(Action Item 16)**

L'Ingénieur Principal Eric Langlois extended France's gratitude to RSA for the support given for the previous hydrographic course that was presented on board the French survey vessel. He indicated that the survey vessel will be in the region in 2014 and informed the Chair that he would provide him with a proposal for training in basic hydrographic survey and basic tidal theory. **(Action Item 17).**

#### **Agenda Item 8: TOPICS FOR DISCUSSION AT EIHC5**

IHB President indicated that the next Extra Ordinary Conference will be held in Monaco in October 2014. Specific topics need to be discussed and IHO Member States can also provide inputs on issues that they would like to be addressed. It is the intention to inform Member States on relevant issues that will include crowd source data, satellite derived

bathymetry and expansion of MSDI. He encouraged members to consider the inclusion of relevant role players in national governments in their delegations to the conference as it will enlighten them in the field of hydrography.

### **Industry Presentations**

At 14:00 an Industry presentations session took place in the following sequence:

Jeppesen: Mr. Michael Bergmann – “The way towards e-Navigation”.

Seven C’s: Mr Bjorn Rohlich – “Company Presentation SevenCs and ChartWorld”

Oceanwise: Mr John Pepper – “MSDI Working Group – Draft Work Plan 2013 - 18”.

### ***Agenda item 9: STATUTES OF SAIHC***

No amendments were proposed, but the Chair indicated that he will provide the IHB with the Terms of Reference and Rules of Procedure for the SAIHC ICCWG to be posted on the IHO website. (**Action Item 18**).

### ***Agenda Item 10: Election of Chairman and Vice-Chairman***

Norway proposed the re-election of the current Chair and the proposal was supported by Mozambique, Portugal and Mauritius. Mozambique proposed that Mauritius be re-elected as Vice Chair and this was seconded by Norway. Captain Abri Kampfner (South Africa) was therefore re-elected to the Chair with Mr Abdool Oozeer (Mauritius) as Vice-Chair.

### ***Agenda item 11: ANY MATTERS ARISING***

There was no other business for discussion.

### ***Agenda item 12: Date and Location of the next Conference***

Mozambique submitted their willingness to host the next SAIHC conference. The Chair and Mozambique will determine the most suitable dates in September 2014, but it is envisaged that the week commencing 15 September will be the most suitable. Mauritius indicated their willingness to be the standby host. France informed the Chair that the next EAHC conference will take place in Morocco on 16<sup>th</sup> to 18<sup>th</sup> of September 2014. IHB President pointed out that the September-December is usually congested for IHB staff due to the great number of event IHB has to attend during that period. He suggested to schedule the next SAIHC during the July-August period, considering that even during European summer vacation period, HOs would still be able to send a representative to attend the SAIHC. UK and France had no objections on that proposal, provided that the document related to the conference should be made available far ahead to the conference in order to dispose of their experts support prior to the summer period. The SAIHC then agreed on scheduling the next SAIHC on August 11<sup>th</sup> -13<sup>th</sup> 2014. (**Action Item 19**)

### ***Agenda item 13: Closure***

Before closing the Conference, the Chairman reviewed a tentative summary of the Action Items, confirming that additional actions will be added for later revision and confirmation of attendees. (**Annexure C**).

The Chairman thanked all participants for their attendance and inputs at the meeting and formally declared the meeting closed at 17:00. All delegates were invited to the final event of the 10<sup>th</sup> SAIHC Conference, a formal dinner hosted by Caris and Kongsberg.

## AGENDA

### 10<sup>TH</sup> SAIHC Conference LISBON: 17 – 18 SEPTEMBER 2013

#### 1. Opening and Administrative Arrangements

*Docs: SAIHC10-1A List of Documents  
SAIHC10-1B List of Participants*

#### 2. Approval of Agenda

*Docs: SAIHC10-2A Agenda*

#### 3. Matters arising from Minutes of 9<sup>th</sup> SAIHC Conference

*Docs: SAIHC10-3A Minutes of SAIHC9  
SAIHC10-3B Status / Review of Actions List*

#### 4. Feedback from other IHO bodies affecting SAIHC

##### 4.1 IHB Report

*Doc: SAIHC10-4.1 IHB Report . (IHB)*

Report on status of approvals, C-55 inputs, IHO Year Book inputs, development of GIS databases

##### 4.2: IRCC Report

*Doc: SAIHC10-4.2 Report on IRCC4. (SAIHC Chair)*

Report on IRCC4, including decisions affecting SAIHC

##### 4.3 CBSC Report

*Doc: SAIHC10-4.3 Report on CBSC. (SAIHC Chair)*

Report on CBSC11 including decisions affecting SAIHC

#### 5. SAIHC Activities in Relation to the IHO Work Programme

##### 5.1 Presentation of National Reports

National reports to cover all the topics described in IHO Resolution 2/1997 (see Annex A) in relation to the SAIHC.

*Docs:*

<i>SAIHC10-5.1A National Report: France</i>	<i>(France)</i>
<i>SAIHC10-5.1B National Report: Mauritius</i>	<i>(Mauritius)</i>
<i>SAIHC10-5.1C National Report: Mozambique</i>	<i>(Mozambique)</i>
<i>SAIHC10-5.1D National Report: Norway</i>	<i>(Norway)</i>
<i>SAIHC10-5.1E National Report: Portugal</i>	<i>(Portugal)</i>
<i>SAIHC10-5.1F National Report: South Africa</i>	<i>South Africa)</i>
<i>SAIHC10-5.1G National Report: United Kingdom</i>	<i>United Kingdom)</i>
<i>SAIHC10-5.1H National Report: Angola</i>	<i>(Angola)</i>
<i>SAIHC10-5.1I National Report: Comoros</i>	<i>(Comoros)</i>
<i>SAIHC10-5.1J National Report: Kenya</i>	<i>(Kenya)</i>
<i>SAIHC10-5.1K National Report: Madagascar</i>	<i>Madagascar)</i>

<i>SAIHC10-5.1L National Report: Malawi</i>	<i>Malawi)</i>
<i>SAIHC10-5.1M National Report: Namibia</i>	<i>(Namibia)</i>
<i>SAIHC10-5.1N National Report: Seychelles</i>	<i>(Seychelles)</i>
<i>SAIHC10-5.1O National Report: Tanzania</i>	<i>(Tanzania)</i>

## **5.2 MSI**

Discussion on regional MSI, based on national reports and any other relevant information *SAIHC10-5.2 NAVAREA VII Report* . (Chair)

## **5.3. Marine / Hydrographic Spatial Data Infrastructures (SDI)**

Discussion on regional progress on establishment of the maritime component of SDI (MSDI).based on national reports and any other relevant information. (Chair)

## **5.4 Procedures in response to Marine Disasters**

Discussion on regional progress on establishment of procedures and emergency contact details, based on national reports and other relevant information. (Chair)

## **5.5. Satellite Derived Bathymetry (SDB)**

Some IHO Member States are working on assessing the viability of SDB as a hydrographic tool - Theory and progress so far. (UK)

## **6. International Charting Coordination**

Report on international charting coordination for Region H. Progress made since last meeting; actual charting Status; ENC production status; new requirements and modifications proposed to the scheme. (Chair, ICCWG)

## **7. Regional Capacity Building Programme**

Discussion and agreement on regional capacity building requirements. [Finalise forward plan 2014-16] (Chair, CB C.)

*Docs:*

*SAIHC10-7A SAIHC Capacity Building Management Plan*  
*SAIHC10-7B IHO CBSC: Approvals for bids for SAIHC*

## **8. Topics for Discussion at EHC5**

Discussion on any topics that States or SAIHC may wish to raise at EHC5 (All)

## **9. Statutes of SAIHC**

Review of Statutes and any requirements for changes. (Chair, SAIHC)

## **10. Election of Chair and Vice-Chair**

## **11. Any Other Matters Arising from Discussions During the Meeting**

## **12. Date and Venue of next Conference**

## **13. Close of Conference**

## LIST OF ATTENDEES

### Southern Africa and Islands Hydrographic Commission (SAIHC) 10<sup>th</sup> Meeting – Lisboa, Portugal (17-18 September 2013)

#### LIST OF PARTICIPANTS

PARTICIPATING COUNTRIES	
ANGOLA	Mr Salustiano Ferreira
	Mr Hélder da Conceição
	Mr Manuel Narciso
COMOROS	<i>No representation</i>
FRANCE	Ingénieur Principal Eric LANGLOIS
KENYA	<i>No representation</i>
MADAGASCAR	<i>No representation</i>
MALAWI	Mr. Felix Mangani
	Mr. Michael Mzunzu
MAURITIUS	Mr Abdool Oozeer
MOZAMBIQUE	Mr Augusto Bata
	Mr Humberto Mutevuie
	Mr Herminio Chavango
	Mrs Célia Magaia
NAMIBIA	Mr Mark Eiman
NORWAY	Mr Noralf Slotsvik
PORTUGAL	RAdm. António Silva Ribeiro
	Cdr. Fernando Freitas Artilheiro
	Cdr. Leonel Pereira MANTEIGAS
SEYCHELLES	<i>No representation</i>
SOUTH AFRICA	Captain Abri Kampfer
	Mr Sidney Osborne
	Lt G.E. Herwels
TANZANIA	<i>No representation</i>
UNITED KINGDOM	RAdm Tom Karsten
	Mr Jeffrey Bryant
	Ms Cathy Tunks
	Mr George Wallace

<b>INTERNATIONAL ORGANISATIONS</b>	
IHB	Mr Robert Ward (IHB President)
	Mr Anthony Pharoah
<b>OBSERVERS</b>	
Jeppesen	Mr Michael Bergman
OceanWise Ltd	Mr John Pepper
QPS	Mr Richard Hill
CARIS	Mr Charles De Jongh
Kongsberg	Mr Jan Haug Kristensen
Fugro	Mr Don Ventura
SevenC's	Mr Bjorn Rohlich
C-NAV	Mr Emmanuel Blanchard

**10<sup>th</sup> SAIHC CONFERENCE ACTION ITEMS**

<b>Serial No</b>	<b>Subject</b>	<b>Action</b>	<b>Status</b>
1	<i>Countries in the SAIHC region to provide capacity building inputs by end of February each year in accordance with CB procedures. (Note: Urgent requirements can be forwarded at any time or brought to SAIHC meetings).</i>	SAIHC MS	
2	<i>IHO Response to Marine Disasters. All are to ensure that emergency contact details are provided and kept up to date. Contact list needs to be compiled and displayed on SAIHC website</i>	SAIHC MS	
3	<i>Malawi to provide Norway with a list of requirements wrt survey vessel Timba that will assist to get vessel operational.</i>	Malawi	
4	<i>Member States to provide updates to IHO C-55 as appropriate at least once a year.</i>	SAIHC MS	
5	<i>All deep ocean bathymetric data collected to be forwarded by HOs to the IHO Data Centre for Digital Bathymetry (IHO-DCDB). Feedback to be provided on progress at next SAIHC Conference.</i>	SAIHC MS	
6	<i>SAIHC Chairman to invite representation from IALA at all SAIHC Conferences.</i>	SAIHC Chairman	
7	<i>SAIHC Chairman to invite representation by GEBCO at all SAIHC Conferences.</i>	SAIHC Chairman	
8	<i>Setting up of national distribution agent for charts.</i>	Kenya UK	
9	<i>SAIHC MS who wish to obtain the IHO Hydrographic Review publication to provide their contact details to the IHB.</i>	SAIHC MS	
10	<i>Members to identify MSI representatives and provide nominations for a MSI course to the Chairman of SAIHC and Capacity Building Coordinator.</i>	SAIHC MS	
11	<i>SAIHC MS to make their delegates to IMO aware of MSI deficiencies.</i>	SAIHC MS	
12	<i>SAIHC members to support the proposal of France for the extension of resolution 1/2005 to include prevention and alert systems.</i>	SAIHC MS	
13	<i>Establish what network systems MS have available to gather near/ real time data, in order to aid tsunami measurement and provide feedback at next conference.</i>	SAIHC MS	
14	<i>Report on research and progress on the application of Satellite Derived Bathymetry at next conference.</i>	UK France	
15	<i>SAIHC MS to provide survey data and report changes that may affect safety of navigation in their national waters in ample time to INT Chart producer nations.</i>	SAIHC MS	

16	<i>SAIHC MS to respond to the letter 2/2013 re: hosting and attending scheduled CB courses.</i>	<i>SAIHC MS</i>	
17	<i>France to inform the Chairman on details of training in basic hydrographic survey and basic tidal theory that is available on Survey Vessel on deployment in 2014.</i>	<i>France</i>	
18	<i>SAIHC Chairman to provide the IHB with the Terms of Reference and Rules of Procedure for the SAIHC ICCWG</i>	<i>SAIHC Chairman</i>	
19	<i>Coordination of Arrangements of 11<sup>th</sup> SAIHC Conference to be held in Maputo over period 11-13 August 2014</i>	<i>Mozambique/ SAIHC Chairman</i>	