

**MINUTES OF THE 6TH SOUTHERN AFRICA AND ISLANDS
HYDROGRAPHIC COMMISSION MEETING (SAIHC)
Malawi, Mangochi 27 – 28 August 2007**

Note: Paragraph numbering is the same as in the Agenda (Annexure A).

MONDAY 27 AUGUST

Agenda item 1: OPENING AND ADMINISTRATIVE ARRANGEMENTS

At 09:00 Mr D.O.C. Gondwe, the Surveyor General of Malawi, welcomed all the participants for availing themselves to attend the 6th SAIHC Meeting. He introduced the Secretary of Lands and Natural Resources, Mr F.E.Y. Zenengeya who welcomed all the representatives to Club Makokola, Mangochi. The list of participants is attached as Annexure B.

Mr Zenengeya gave a brief history of the mapping of Lake Malawi. French support assisted greatly with the technological resources that were necessary and also donated a survey launch to Malawi, RV Timba. Malawi started attending the SAIHC meetings in 1999 in Cape Town and since their attendance there has been an improvement in Hydrographic awareness. A working committee for safety of navigation is in place as a result of this. Malawi has proved that they have commitment to Hydrography through their regular attendance of SAIHC and active participation.

Mr Zenengeya introduced the Guest of Honour, the Deputy Minister of Land and Natural Resources, the Honourable Rashid Gaffar, MP. The minister thanked all the members for inviting him to a meeting that is renowned of having members with a high level of professionalism when it comes to their work, surveying. He highlighted that the cost of transportation is one of the hindrances to the economy of Malawi and that shipping is the cheapest mode of transport in comparison to the air and land transportation. The wrong notion that Malawi is a land locked state still makes Malawi pay more for transportation even though they are connected to the ocean via the Shire and the Zambezi rivers, which have been navigable in the past. This has to be revitalised and used as waterways. He hoped that the meeting would add some input in the feasibility study of the navigability of the rivers seeing as there is extensive expertise and experience present from all over the world, bringing diverse expertise in surveying.

The Minister continued his address by saying that Hydrographic work of the lake is still in progress. More technical equipment is also being acquired for safety of navigation and training will be appreciated. Malawi joined the international community in celebrating World Hydrography Day on 21st June 2007 and will continue to do so. Malawi's production process for navigation charts is now electronic through the support from the Government of Iceland. He expressed his appreciation that Malawi was chosen to host the meeting that was so well attended by delegates from all over the world. At 09:45 the Minister declared the meeting officially open.

SAIHC6 GROUP PHOTOGRAPH

The Chairman of the Commission, the Hydrographer of South African Navy, Captain Abri Kampfner, welcomed all participants to the meeting and thanked the Malawi Survey Department for their organising and the commitment they showed by making this meeting possible. He also made specific mention of the financial assistance provided by Norway that made it possible for Associated Member States to attend the SAIHC Meeting. The members of industry were welcomed and thanked for their support and their willingness to host functions.

Agenda item 2: APPROVAL OF THE AGENDA

The agenda was approved and accepted with no supplementary items. The Chairman remarked that since the 4th SAIHC Meeting held in Namibia in 2003 the participation in Malawi is the largest so far. The agenda items also indicate that SAIHC meetings are moving in the right direction.

Agenda item 3: MATTERS ARISING FROM MINUTES OF SPECIAL SAIHC MEETING

Status/Review of Action List from the Special SAIHC Meeting, Maputo 2006. The Chairman reviewed the Status of Actions. Most of the actions had been completed. Ongoing items will be reflected in the List of Actions.

Agenda item 4: FEEDBACK FROM OTHER IHO BODIES AFFECTING SAIHC

4.1. Report from IHB

Mr Anthony Pharaoh of the IHB provided a brief feedback of the XVII International Hydrographic Conference (IHC) and the work of the IHO, the formation of working groups for Strategic Planning, Marine Spatial Data Infrastructure, Hydrography and Cartography for Inland Waters and revision of Staff Regulations, which was approved. The resolutions encouraging the appointment of regional staff officers for capacity building, the production of consistent, quality and available ENC's were emphasised. The Directing Committee for the next 5 year term were elected and consist of Vice Admiral A. Maratos (Greece), Captain H. Gorziglia (Chile) and Captain Robert Ward (Australia). Captain Ward will take office on 1 September 2007 and will take over from Rear Admiral Kenneth Barbor USN as Director. Admiral Kenneth Barbor conveyed his appreciation for the respect and hospitality the RHC has afforded him during the past 5 years and wished the Commission a productive future. The SAIHC members in return, wished Admiral Barbor a peaceful retirement, calm winds and following seas.

Mr Pharaoh emphasised that the Capacity Building Program of the IHO focus on priority areas as identified by MS and the availability of capacity building funds to facilitate the execution of projects. The IHO is associated with important regional projects like the Marine Electronic Highway of the Malacca and Singapore Straits, the Western Indian Ocean Marine Highway Development and the Safety of Navigation on Lake Victoria. Both Marine Highway projects have received approval from the World Bank for funding.

Mr Pharaoh also provided feedback of the IHO involvement with other international forums such as the IMO and UN.

4.2. Capacity Building Committee (CBC): Technical Visits and Regional Projects

The Chairman informed the meeting that he had received a draft report of the Advisory Visit conducted by RN staff during the visit of HMS SCOTT to the Seychelles. Seychelles provided more feedback and mentioned that two French representatives and an IHB technical assistant were also present at a very successful meeting in setting up of a National Hydrographic Committee (NHC).

Seychelles requested a technical visit to develop a priority survey plan and requested assistance from the UK to formulate the Statutes for their National Hydrographic Committee (NHC). (**Action Item**)

4.2.1 Feedback on 2007 Regional Advisory Visits (Kenya, Madagascar, Mauritius, Mozambique and Tanzania)

Following from the above the Chairman requested feedback from the above MS.

Kenya commented that feedback will be provided in its National Report.

France apologised for sending its report to CBC only and not to the SAIHC Chairman as well. The expert, acting on behalf of both SHOM and the IHO spent a week in Madagascar and discussed survey plans and chart schemes. Madagascar is in the process of establishing a National Hydrographic Committee (NHC) and will engage in a long-term project with France regarding surveying and charting.

Mauritius reported that India has conducted some surveys, but charts must still be produced.

Tanzania reported that the visit was successful and met with their National Hydrographic Committee. It was again realized that assistance through capacity building is vital if they want to succeed in what they set out to achieve.

The Chairman stressed that these technical visits were necessary to assist MS to identify deficiencies and shortcomings that can be addressed through capacity building initiatives.

4.3 17th International Hydrographic Conference (IHC)

The Chairman provided feedback from the 17th IHC and highlighted some decisions of the conference resulting from the approval of proposals submitted by MS.

- a. The Strategic Planning Working Group (SPWG) has completed its work. The Conference approved the establishment of a Working Group to propose revision of the IHO Strategic Plan. The proposed revision of the Strategic Plan will be examined in an Extraordinary Hydrographic Conference that will take place in 2009.
- b. The Conference agreed to ask the CBC, in consultation with RHCs, to consider the part-time allocation of personnel to act as Regional Staff Officers to assist those chairmen of Regional Hydrographic Commissions (RHCs) who have limited human resources with which to sustain the capacity building effort in their regions. It is suggested that the priorities for provision of such a post should be EAtHC, MACHC, NIOHC, SAIHC and SWPHC.
- c. The Conference approved to ask CHRIS to establish a Working Group on Hydrography and Cartography of Inland Waters, to set its Terms of Reference and Rules of Procedure noting the guidelines below and to report on its work to the 4th EIHC in 2009. The purpose of the Working Group will be to analyze and recommend the level and nature of IHO involvement in the Hydrography and Cartography of Inland Waterways. The Working Group should involve all relevant non-IHO international bodies in its deliberations, including the IEHG.
- d. The Conference approved the Resolution on ENC coverage availability, consistency and quality and recognizing MS responsibility for acceleration in the production of ENCs and concluded that; Member States should adhere and comply with the WEND Principles in order for the IHO, through its Member States, and the regional

and worldwide bodies in which they come together, to achieve adequate coverage, availability, consistency and quality of ENC's by 2010.

During discussions the following issues/remarks were made:

- a. Tanzania was impressed with the establishment of a WG on Hydrography and Cartography of Inland Waters and recognized the need in East Africa.
- b. France stated that some Inland Waterways may have independent regulations and that there may be interference from organisations that specifically deal with Inland Lakes under control of governments. These concerns will be tabled at the CHRIS meeting. Should there be concrete decisions on the proposed WG it will be presented to the RHC for discussion.

IHO CL 62/2007: Establishment of the CHRIS Hydrography and Cartography on Inland Waters Working Group (HCIWWG). Member States are requested to nominate members for the working group and to indicate the willingness of their nominated member(s) to serve as Chairman. Additionally, comments and recommended changes to the TOR/ROPs given in the original proposals to the XVII IHC are encouraged so that CHRIS may draft informed TOR/ROPs that are broadly acceptable to Member States. It is expected that the Working Group Chairmanship and Membership will be confirmed by correspondence no later than 19 October 2007 with the TOR/ROPs being reviewed and confirmed at the next CHRIS meeting, 4-9 November 2007 in Rotterdam. Nominations and/or input are requested by 1 October 2007.

On request from the Chairman, Mozambique agreed to respond to the Circular Letter and will indicate Mozambique's willingness to serve as a MS on HCIWWG. They will represent SAIHC and deliver feedback at SAIHC meetings.

IHO CL 52/2007: IHO Strategic Plan Working Group (ISPWG). RHCs are to select a member who will represent the Commission in the ISPWG. UK recommended and consensus was reached from the forum that the Chairman, Captain (SAN) Abri Kampfer, represent SAIHC at ISPWG due to his past knowledge and experience in SPWG.

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

Item 5.1. A presentation made by Mr Nelson (South Africa) covered the activities in Region H from 1993 to 2007, a period of nearly 15 years of charting in the region. It was recognised that much had been achieved. It initiated the following interesting inter-active discussions.

- a. The UK was the original coordinator of charting in Region H at its inception with Portugal, France, South Africa and the United Kingdom as the chart producing nations. South Africa took over this responsibility from the UK in 1996. Good progress has been made in the western Indian Ocean region with UKHO providing support to Portugal. Much work still has to be done along the Angolan coast.
- b. The UK commented that they had completed 21 of their 23 INT charts.
- c. France enquired if the presentation included ENC production in the region. South Africa clarified that what was presented covered only INT paper charts.
- d. Upon request from the UKHO as to which nation is to produce chart INT 7746, Islands in the South-West Indian Ocean, South Africa clarified by quoting from the

adopted IHO Chart Scheme that UK would produce this chart in conjunction with South Africa. UKHO will investigate. **(Action Item)**

- e. Charting of Lake Victoria. South Africa prepared a proposed chart scheme and made this available to Tanzania. Tanzania recognized this as a useful guide to chart the lake as survey and charting progresses.
- f. There was some excitement on the progress made of charting and surveying of Lake Malawi, especially charting in the southern part in the Monkey Bay region. Malawi needs to be commended on their efforts supported by the Government of Iceland.
- g. South Africa stressed the importance that all comply with IHO Regulations and INT Chart Specifications from the outset when they produce national charts. It would then be much easier to produce the INT version by simply adding the prefix 'INT' to the national number.
- h. France stressed the importance of collecting quality data in an area that has been surveyed. Countries wishing to collect data in another country's territory must apply via the diplomatic channels and this will assure access to that survey data.

Status of Hydrography in Africa

The first presentation focused on a specific area, Region H, the Chairman presented an informative presentation addressing the wider spectrum of the Status of Hydrography in Africa. The graphics projected certainly intrigued the interest of the forum. It recognized the following important values of Hydrography:

- a. The ability of MS to collect and exchange hydrographic data in order to keep charts updated is essential for chart production in both paper and electronic format.
- b. Quality in the collection of survey information. If a country does not have a hydrographic capability, at least a National Hydrographic Committee (NHC) should be established where survey requirements can be determined.
- c. MS who have indicated that they can assist other MS with regards to surveys and training are encouraged to do so. MS who require assistance are encouraged to accept such offers.

Malawi expressed concern that the presentation covered coastal MS and felt that more recognition should be given to Malawi's abilities in terms of surveying and charting. It was explained by the Chairman that the presentation was based on information as depicted in S-55, which does not contain any information on Malawi. This will need to be rectified and Malawi must provide such inputs. **(Action Item)** The Chairman explained further the difference between being members and associated members of a RHC. The Chairman encouraged associated member states to join the IHO. With regards to the procedure, the IHO-M2 publication provides valuable information regarding the procedures to obtain membership. M2 can be downloaded from the IHO web site www.iho.int. France offered to provide Madagascar with a French version of M2.

5.1.1 IHO Work Programme

The Chairman highlighted some important aspects from the approved 5-year IHO Work Program (2008 – 2012). In particular that the Directing Committee requested the Chairmen of all RHCs, to contribute to this task by providing input in order to make the IHO Work

Programme as complete as possible with all the activities the IHO is intending to undertake during the next 5-year period.

The importance of keeping S-55 up to date with the most recent, accurate information was stressed as the IHO and the IMO uses this information as an instrument for decision-making.

5.2 *Bilateral and Regional cooperation agreements, projects and Regional CB Management Plan*

SAIHC Capacity Building Management Plan.

The Chairman gave feedback on the status of the RHC Capacity Building activity plan and made reference to CB action achieved between 2005 and 2007. Specific reference was made to the achievement of Phase 1, 2 and 3 capabilities. SAIHC has to respond to the CBC Chairman on the effectiveness of capacity building initiatives within the region. Most inputs in this regard will be determined from national reports. **(Action Item)**

France supported the Chairman's comments by providing some invaluable input regarding the function and decision making of the CBC.

The Chairman then projected the SAIHC Capacity Building Management Plan, which was compiled at the SAIHC Special Meeting in Maputo, June 2006. Special reference was made to the Phase 1 Technical Workshop, CB priorities, technical visits to countries and funding requirements. Specific mention was made of the MSI course to be held in Maputo and the Chairman encouraged all to make use of this opportunity and to participate.

IHO CBC: Approvals of Candidate Bids from SAIHC.

The Chairman of the IHOCBC informed the RHC Chairman of the following bids which were approved for 2008.

- a. Advisory visits for development of prioritised national survey plans in Angola and Namibia.
SAIHC Chairman to determine an Adviser and coordinate dates suitable for Angola and Namibia. **(Action Item)**
- b. Advisory visit to Malawi to consider management of national hydrographic unit, following end of ICEIDA project.
SAIHC Chairman is to identify an Adviser and coordinate dates. **(Action Item)**

IHO CBC: Analysis of Historic Support for RHC CBC Activity.

The Chairman made reference to the CBC Programme Assessment Matrix for the monitoring of CB measures covering activities till 30 June 2007. The RHC benefited from the programme approved by the IHO based on the advice of the IHOCBC. The Chairman requested feedback on the efficiency and successes of the measures adopted in the SAIHC region. All were unanimous in their praise for the CBC initiatives and agreed that it benefited the region and could therefore be considered as successful.

France explained more regarding the purpose of CB funds. It can be used for assisting with travelling expenses to attend courses, financing of technical visits and subsidising students with attendance of short courses. The fund will not contribute to the acquisition costs of equipment and hardware, paying salaries to additional technical assistants provided by

developed HO, or sponsor long hydrographic training courses.

MSI Training Course: Maputo (13 – 15 Nov 2007)

Not all SAIHC states identified to participate in the course have nominated candidates. The Chairman reminded the meeting that there was still time to apply and requested that names be handed to Mr Humberto Motevuie of INAHINA, Mozambique.

As the course will be presented in English, Madagascar stated that, because of the language, they may have difficulties selecting port operators.

France explained that most non native-English speakers face a severe communication problem, not so much because of the use of English procedures in itself, but due to the fact that courses are presented by native-, or very fluent, English speakers, who take English for granted and are not always aware how difficult it is to understand. The issue is not one of procedures but of tuition.

The point was discussed both in SHOM (reluctant to provide additional courses in English procedures) and with the CPRNW chairman, but no solution is in sight.

Bearing in mind the importance of training port operators in MSI English procedures and not discouraging countries who, like Madagascar, are willing to implement SafetyNet areas, France will raise again this question at the next CBC meeting.

The Chairman's response was that it would not be conducive to present courses in other languages due to the broadness of the subject and the non-availability of CB funding for translators. The course specifies that candidates must be English speaking and be working in the MSI environment.

Seychelles stated that their participants at the MSI course will be able to assist their Madagascar colleagues with translations if so required.

TUESDAY 28 AUGUST

5.3. *Presentation of National Reports*

- a. **South Africa.** 83% of the International charting responsibility is completed. South Africa is still producing paper charts and ENCs on behalf of Namibia. Namibia has upgraded their radio telecommunication system to be fully GMDSS compliant.
- b. **France.** France intends to increase its support to Madagascar in their charting responsibility. SHOM has conducted two types of surveys in the SAIHC area ie collecting geophysical information pertinent to defining the extent of the French continental shelves in the region. Secondly, surveys related to SHOM's long-term commitment in those areas where France has overseas territories and/or traditional links. There is no ENC coverage of some areas as new surveys have to be completed first and then ENCs produced.

Madagascar has formed a National Hydrographic Committee (NHC). Only 15% of Madagascar is properly surveyed. They need to produce 200 charts and only have 70-80 charts of which most are outdated. A tripartite co-operation involving France and Norway is envisaged.

- c. **Portugal.** Outlined the cooperation of Portugal within the SAIHC region in the hydrographic field with Mozambique and Angola in support of capacity building. It is the intention to strengthen cooperation under bilateral agreements with Angola and Mozambique.
- d. **Mauritius.** Nothing to be added to the National Report. Mauritius will investigate if they can provide UKHO with hydrographic survey data. (**Action Item**)

- e. **Kenya.** The Kenyan Hydrographic Survey Division has been established. A National Hydrographic Committee (NHC) has been established and has formulated their TOR. Training of personnel is being experienced. Kenya has approached UKHO to assist in the improving of the Kenyan Territorial Sea and EEZ chart. A consultant has been commissioned to conduct hydrographic surveys of Lake Victoria and to produce charts for the ports of Mwanza, Port Bell and Kisumu.

Survey work is to commence on 1 September 2007 with the intention to produce charts from this data. Kenya referred to the maritime incident on Lake Victoria and made mention that the World Bank will assist with safety of navigation and hydrographic survey initiatives. The Chairman stressed that SAIHC needs to be kept informed and that assistance of this nature can be rendered through capacity building support.

Bilateral contacts have been established with France to sort out a technical hurdle met when trying to open the very large dataset collected by SHOM in Kenya's EEZ.

- f. **Mozambique.** Mozambique received a CBC Advisory Visit and found it to be most valuable.
- g. **Malawi.** Though much has been achieved by the Malawi Hydrographic Unit, much more still remains to be done in order for the Unit to succeed in its endeavours of producing modern navigation charts, revising the Lake Malawi Pilot and providing a survey revision facility. Six (6) charts have been produced mainly in the southern part of Lake Malawi. There is a need to invest more in human resources and infrastructure development, such as to acquire a coastal survey launch, to overcome these problems. However, there is consensus that the hydrographic team has reached maturity and is ready to face the Shire/Zambezi waterway project when it gets into full swing.
- h. **Norway.** Norway's research vessel "Dr. Fridjof Nansen" has recently installed a multi-beam echo sounder for surveying. The first cruise will take place in Mozambican waters from late September until December 2007. During the next few years the vessel will operate in African waters under the program "Ecosystem Approach to Marine Fisheries Management in Development Countries". Norway's main contribution within the SAIHC region is related to capacity building. It was stressed that if MS require assistance Norway could be approached. They are willing to assist with the development of priority survey plans. Norway supported several delegates financially to attend SAIHC meetings by sponsoring travel and accommodation costs. Requests for assistance should be done at Ministerial level.
- i. **Seychelles.** UK is to ensure that their charts and survey data and all necessary information has been given to the Seychelles. Their charts were printed on 16 August 2007 but have not yet been supplied. India is also conducting some surveys in the area. Seychelles will request more data on the surveys carried out. On 15 June 2007 a National Hydrographic Committee (NHC) was established. The Seychelles request a technical visit from the UK with the main objective to assist the Seychelles with their prioritised survey plans and formulate the statutes for their NHC. **(Action Item)**
- j. **Namibia.** South Africa presented Namibia's National report. S-55 data is updated by South Africa on behalf of Namibia.
- k. **The United Kingdom.** Bursaries are available for students to attend hydrographic survey or cartographic courses. MS are encouraged to utilize these offers. Malawi asked about the channel to be followed when applying. The UK replied in response that applications maybe channelled directly to the UKHO.
- l. **Tanzania.** Tanzania presented an informal report. A National Hydrographic Committee

(NHC) had been established. National Port Authority personnel are responsible for the conduct of survey but there is a need for more qualified personnel. Surveys are being conducted at ports on Lake Victoria. The need exist to determine surveys requirements due to changes that have occurred as result from the recent Tsunami. Capacity building requirements were noted.

The Chairman was curious regarding the water level of Lake Tanganyika and was informed that the water level is still dropping and water level has dropped by 2.5m.

- m. **Angola.** No National Report was submitted.
- n. **Madagascar.** No National Report was submitted. See National Report by France.

5.4 Hydrographic Survey Status (S-55)

The Chairman made reference to IHO CL 59/2006 (IHO Special Publication S-55 - Submission and Update of Data). He stressed the importance of the continuous update of entries in S-55 and encouraged all countries to comply. The update process is not complicated and accessible on the IHO web-site. All should strive to provide an update at least once a year. **(Action Item)**

The Chairman stated that South Africa would assist Malawi with completing their entries. Malawi is to supply the required data to South Africa. **(Action Item)**

Principles of the Worldwide Electronic Navigational Chart Database (WEND)

The Chairman provided a brief outline of the purpose of WEND. It is to ensure a worldwide consistent level of high-quality, updated official ENC's through integrated services that support chart carriage requirements of SOLAS Chapter V and the requirements of the IMO Performance Standards for ECDIS.

The Chairman highlighted some important principles and stressed the importance of providing the necessary ENC coverage. If unable to produce ENC's, agreements should be forged to get other MS to produce the necessary ENC coverage on their behalf.

The IHO will address overall coverage on a regional basis through RHCs.

Member States' HOs are strongly recommended to provide, upon request, training and advice to HOs that require it to develop their own national ENC provision and to remain within the ENC production boundaries. The INT chart producer nation shall be assumed to be the producer of the corresponding ENC. In areas of national jurisdiction for which there is no recognised ENC producer nation, the RHC should determine and agree upon the ENC producer nation.

The UK stated that they are willing to assist other MS in the production of ENC's.

SAIHC Capacity Building Management Plan

The Chairman projected the IHO Capacity Management Plan for discussion. Inputs and ideas were requested from MS. The importance of the establishment of National Hydrographic Committees (NHCs) were emphasized as it can be used to determine needs and areas of deficiencies that can be resolved by means of capacity building interventions.

Some Capacity Building ideas were noted:

- a. One week refresher course for surveyors in Kenya, Nairobi in 2009.
- b. Briefing to Ministers and Permanent Secretaries by the IHB at the next Convening Council of RCMRD
- c. Attendance of Technical Workshops.
- d. Norway presents multi-beam courses partly or fully funded by CBC. The courses are offered by the Ocean Mapping Group (US/Canada).
- e. UK offers assistance in ENC production and presents cartographic training courses fully funded.
- f. Underwater Surveys (SA) is willing to provide a training course in multi-beam surveys. C&C Technologies (SA) is prepared to make survey equipment available.
- g. HydroService (Norway) and CARIS (Netherlands) are willing to provide cartographic training.
- h. Follow-up MSI training course in 2009.
- i. Seminar for National Hydrographic Committee Chairmen.
- j. Attachment of surveyors to regional projects for practical experience.

The Chairman encouraged MS to apply for courses and utilize opportunities when available. The Chairman will develop the ideas further and will circulate to all for comments. **(Action Item)**

Agenda item 6: FEEDBACK ON MARINE HIGHWAY PROJECT

The Chairman provided some feedback and announced that the project agreement had been finalized between the World Bank and the Dept of Environmental Affairs and Tourism, South Africa. The second project agreement is between the IOC, World Bank and the SA Maritime Safety Authority (SAMSA). Both Projects were due to be signed during August 2007. Mozambique added that the project is scheduled to start in September 2007 and will continue over the next 4 years.

France responded with an informative presentation and discussion on a possible second Marine Highway project to the SE of Madagascar.

Agenda item 7: FEEDBACK ON LAKE VICTORIA SURVEY

Discussed under the presentation of Kenya's National Report.

Agenda item 8: ANY OTHER BUSINESS

8.1. SAIHC Statutes

The Chairman requested MS to sign the Statutes. France and UK had both signed the Statutes. The following minor changes to the Statutes will be made and will be reflected as 'Change 2'. However, this does not change the nature of the Statutes. **(Action Item)**

- a. Portugal suggested an amendment to *Article 3 para a* to add the word '*convener*'.

- b. The second *Article 9* to be amended to *Article 10*.

8.2 Granting of observer status to USA

USA requested to send an observer to future SAIHC Meetings. The Chairman tabled this request.

No objections were raised and it was agreed that a formal invitation should be issued. Chairman to draft a letter inviting USA to join the next SAIHC meeting in 2009 as an observer. **(Action Item)**

8.3 Marine / Hydrographic Spatial Data Infrastructures (SDI)

Reference letter IHO CL 24/2007. Progress in this field are requested and RHCs are urged to have “ *Progress on Marine SDI Development and Land-Sea Data Integration*” as a standing agenda item of their meetings. **(Action Item)** UK commented that they will provide a member to this IHO Workshop and will provide feedback at SAIHC meetings.

8.4 IHO Publication M-2

Discussed. Can be downloaded from the IHO web-site.

8.5 Navigational Warning Broadcast

Reference letter IHO CL 31/2000. The UK made reference to the implementation of the Global Maritime Distress and Safety System (GMDSS) by IHO Member States. In response the Chairman clarified that South Africa is the NAVAREA Coordinator for the SAIHC Region and that feedback on the navigation warning service was provided in its National Report. A MSI Self Assessment is also submitted to CPRNW annually.

8.6 Assistance with ENC Production

Reference letter IHO CL 80/2003. Discussed and noted.

8.7 Agreement on Action Plan

LIST OF ACTIONS

No	Subject	Action
1.	Production of chart INT 7746. Prince Edward Island Group, Macdonald & Heard Islands.	SANHO & UKHO
2.	Mozambique to respond to IHO CL 62/2007 and to serve on the WG when established.	Mozambique
3.	CB Funds were approved for successful bids for Angola, Namibia and Malawi in 2008. Advisors to be identified and dates to be determined	SAIHC Chair, Angola, Namibia & Malawi
4.	Respond to CB Chairman regarding capacity building initiatives in region.	SAIHC Chair
5.	MSI course. Selection of candidates. Draft letter of invitation and logistics of course.	Mozambique to draft letter. MS.

6.	Mauritius to provide UKHO with hydrographic survey data.	Mauritius
7.	Seychelles requests a technical visit. Assistance with development of priority survey plans and compilation of their NHC Statutes.	UKHO
8.	Malawi requests assistance with completing S-55 Questionnaire.	SANHO. Malawi. to provide data.
9.	IALA to be invited to future SAIHC Meetings.	IHB. SAIHC Chair
10.	All MS and associate members to update S-55 data.	All
11.	Changes to SAIHC Statutes to be applied. All MS and associate members to sign Statutes.	SAIHC Chair. MS & associates
12.	All MS and associate members are to identify their national capacity building requirements.	All
13.	All MS and associate members are to develop their priority survey plans.	All
14.	SDI as a standing Agenda Item at future SAIHC Meetings.	Chair
15.	Capacity building ideas to be developed and circulated for comment	Chair
16.	Date of next SAIHC Meeting and hosting in Madagascar in Sep 2009 to be confirmed.	Chair & Madagascar

Agenda item 9: ELECTION OF CHAIRMAN AND VICE CHAIRMAN

After a brief discussion and in support of Norway's proposal, Mozambique was elected as the new Chairman and South Africa as Vice Chairman of SAIHC for the next term.

Agenda item 10: DATE AND LOCATION OF NEXT MEETING

Madagascar requested to be allowed the honour of hosting the next meeting in Madagascar in August/ September 2009. The dates are to be finalised between the Chairman of SAIHC and Madagascar in good time through correspondence. ***(Action Item)***

Agenda item 11: CLOSURE

At closing the meeting at 16:00 on the 28 August 2007, the outgoing Chairman thanked all delegates for their support during his term of office. He wished Mozambique well during their tenure of office and urged all to provide their continued support to the new Chairman. He encouraged members to continue communication, share ideas and not to wait for the next SAIHC meeting.

MEETING CLOSED

**AGENDA: 6th IHO-SAIHC Meeting
Mangochi, Malawi, 27 – 28 August 2007**

1. Opening and Administrative Arrangements

*Docs: SAIHC6-1A List of Documents
SAIHC6-1B List of participants
SAIHC6-1C Programme of Events*

2. Approval of Agenda

Docs: SAIHC6-2A Agenda

3. Matters arising from Minutes of Special SAIHC Meeting

*Docs: SAIHC6-3A Minutes of Special SAIHC Meeting
SAIHC6-3B Status / Review of Actions List*

4. Feedback from other IHO bodies affecting SAIHC

4.1 Report from IHB

4.2 CB Committee: Technical Visits and Regional Projects

Docs: SAIHC6-4.2A Seychelles Report

4.2.1 Feedback on 2007 Regional Advisory Visits (Kenya, Madagascar, Mauritius, Mozambique & Tanzania)

4.3 17TH IHC

*Docs: SAIHC6-4.3A Conference Decisions
SAIHC6-4.3B IHO Circular Letter 62/2007
SAIHC6-4.3C IHO Circular Letter 52/2007*

5. SAIHC Activities in the light of the IHO Work Program

5.1 INT chart scheme for Region H: Progress made since last meeting; actual Charting status (S-55); ENC production status; new requirements and modifications proposed to the scheme.

*Presentations: Overview of Charting in Region H
Status of Hydrography in Africa*

5.1.1 IHO Work programme

5.2 Bilateral and Regional cooperation agreements, projects and Regional Capacity Building Management Plan.

*Docs: SAIHC6-5.2A SAIHC Capacity Building Management Plan
SAIHC6-5.2B IHO CBC: Approvals of Candidate Bids from SAIHC
SAIHC6-5.2C IHO CBC: Analysis of Historic Support for RHC CBC activity.
SAIHC6-5.2D MSI Training Course: Maputo*

5.3 Presentation of National Reports: Hydrographic surveying, nautical charting, nautical publications and information status.

*Docs: SAIHC6-5.3A South Africa
SAIHC6-5.3B France
SAIHC6-5.3C Portugal
SAIHC6-5.3D Mauritius
SAIHC6-5.3E Kenya
SAIHC6-5.3F Mozambique
SAIHC6-5.3G Malawi
SAIHC6-5.3H Norway
SAIHC6-5.3I Seychelles
SAIHC6-5.3J Namibia
SAIHC6-5.3K United Kingdom*

5.4 Hydrographic Survey status (S-55)

6. Feedback on Marine Highway Project

7. Feedback on Lake Victoria Survey

8. Any other Business

8.1 SAIHC Statutes

8.2 Granting of observer status to USA

8.3 Marine SDI

8.4 IHO Publication M-2

8.5 Navigational Warning Broadcasts (IHO CL 31/2000 – UK)

8.6 Assistance with ENC Production (IHO CL 80/2003 – UK)

8.7 Agreement on Action List

9. Election of chairman and vice-chairman

10. Date and Location of Next Meeting

11. Closure

ANNEXURE B**LIST OF PARTICIPANTS**
Malawi – 27-28 Aug 2007

	PARTICIPANT	COUNTRY	ORGANIZATION	ADDRESS	CONTACT DETAILS
1	IGNATIUS NHNYETE	TANZANIA	Tanzania Ports Authority	P.O. Box 9184, Dar es Salaam, Tanzania	Tel: +255754787035 Fax: E-mail: Nhnyete@tanzaniaports.com
2	B.N. OWINO	KENYA	Ministry of Lands	Survey of Kenya P.O. Box 30046, 00100 Nairobi	Tel: Fax: E-mail: bnowino@ardhi.go.ke bnowino@yahoo.com
3	BOWERS OKELO	KENYA	Ministry of Lands	Survey of Kenya P.O. Box 30046, 00100 Nairobi	Tel: Fax: E-mail: bnowino@ardhi.go.ke bnowino@yahoo.com
4	TERJE LANGVIK	NORWAY	Norwegian Hydrographic Service	P.O. Box 60, 4001 Stavanger, Norway	Tel: Fax: E-mail: terje.langvik@statkart.no
5	NORALF SLOTSVIK	NORWAY	Norwegian Hydrographic Service	P.O. Box 60, 4001 Stavanger, Norway	Tel: Fax: E-mail: noralf.slotsvik@statkart.no
6	CARLOS ALBUQUERQUE	BRAZIL	Directorate of Hydrography and Navigation (DHN)	Rua Baraõ de Jaceguai S/N-Ponta da Armaçaõ Niteroi_RJ_Brazil 24-048-900	Tel: Fax: E-mail: albuquerque@dhn.mar.mil.br
7	EGIL O. AARSTAD	NORWAY	HydroService AS (Jeppesen)	Hovlandsveien 52 P.O. Box 212 N-4379 Egersund Norway	Tel: +47 51 46 49 60 Fax: +47 51 46 47 01 Cell: +47 90 83 00 25 E-mail: aarstad@hydroservice.no
8	FERNANDO ARTILHEIRO	PORTUGAL	Instituto Hidrografico (IHPT)	Rua das Trinas 49-1249-093 Lisboa Portugal	Tel: Fax: E-mail: Frietas.artilheiro@hidrografico.pt
9	HAICO VAN DER VEGT	NETHERLANDS	CARIS B.V.	P.O. Box 47 5473ZG Heeswÿk Netherlands	Tel: +31-413-29-60-10 Fax: +31-413-29-60-12 E-mail: sales@caris.nl

	PARTICIPANT	COUNTRY	ORGANIZATION	ADDRESS	CONTACT DETAILS
10	MARK PRONK	NETHERLANDS	CARIS B.V.	P.O. Box 47 5473ZG Heeswijk Netherlands	Tel: +31-413-29-60-10 Fax: +31-413-29-60-12 E-mail: mpronk@caris.nl
11	JEAN LAPORTE	FRANCE	SHOM (French HO)	BP8 SHOM 29240 Brest Armées France	Tel: +33 1 53 66 97 84 Fax: + 33 1 41 74 94 25 Cell: E-mail: jlaporte@shom.fr
12	POLANAH UCKIAH	MAURITIUS	Ministry of Housing and Lands	Edith Cavell Street Port Louis	Tel: Fax: E-mail: puckiah@mail.gov.mu
13	CHRIS SMITH	UNITED KINGDOM	United Kingdom Hydrographic Office (UKHO)	Admiralty Way Taunton Somerset TA1 2DN England	Tel: +441823723320 Fax: E-mail: chris.smith@ukho.gov.uk
14	CHRIS THORNE	UNITED KINGDOM	United Kingdom Hydrographic Office (UKHO)	Admiralty Way Taunton Somerset TA1 2DN England	Tel: +441823332930 Fax: E-mail: chris.thorne@ukho.gov.uk
15	VICTOR ANDRIAMPANANA	MADAGASCAR	FTM	P.O. Box 323 Antananarivo 101 Madagascar	Tel: +261 20 22 229 35 Fax: E-mail: ftm@wanadoo.mg
16	SELECT MUNDLOVO	MOZAMBIQUE	National Institute of Hydrography and Navigation (INAHINA)	Ministerio Dos Transportes E Comunicações Av. Karl Marx No 153 Maputo. Mozambique	Tel: +258-21430186/8 Fax: +258-21-430185 Cell: +258-82-4078260 E-mail: smundlovo@inahina.gov.mz
17	HUMBERTO MUTEVUIE	MOZAMBIQUE	National Institute of Hydrography and Navigation (INAHINA)	Ministerio Dos Transportes E Comunicações Av. Karl Marx No 153 Maputo. Mozambique	Tel: +258-21429108 Fax: 258-21-430185 Cell: 258-82-2881880 E-mail: mutevui@inahina.gov.mz
18	AUBREY PRICE	SOUTH AFRICA	C&C Technologies (SA) (Pty) Ltd	P.O. Box 30532 Tokai Rep of South Africa	Tel: +27 21 702 1870 Fax: E-mail: aop@cctechnol.com
19	ANTHONY PHARAOH	PRINCIPALITY OF MONACO	IHB	4 quai Antoine Ier B.P. 445 Monaco	Tel: Fax: E-mail: pad@ihb.mc
20	EPHAN POTGIETER	SOUTH AFRICA	Underwater Surveys	Silverwood A1 Steenberg Office Park Cape Town 7806 Rep of South Africa	Tel: Fax: Cell: +27 835568166 E-mail: ep@underwatersurveys.com

	PARTICIPANT	COUNTRY	ORGANIZATION	ADDRESS	CONTACT DETAILS
21	ABRI KAMPFER	SOUTH AFRICA	Hydrographic Office, SA Navy (SANHO)	Private Bag X-1 Tokai 7966 Rep of South Africa	Tel: +27 21 787 2412 Fax: +27 21 787 2233 E-mail: hydrosan@iafrica.com
22	MALCOLM NELSON	SOUTH AFRICA	Hydrographic Office, SA Navy (SANHO)	Private Bag X-1 Tokai 7966 Rep of South Africa	Tel: +27 21 787 2444 Fax: +27 21 787 2233 E-mail: hydrosan@iafrica.com
23	Z.J. LATA	SOUTH AFRICA	Hydrographic Office, SA Navy (SANHO)	Private Bag X-1 Tokai 7966 Rep of South Africa	Tel: +27 21 787 2408 Fax: +27 21 787 2233 E-mail: hydrosan@iafrica.com
24	RONNY W. MATATIKEN	SEYCHELLES	Seychelles Hydrographic Department	P.O. Box 257 Victoria, mahé Seychelles	Tel: Fax: E-mail: matatiken@seychelles.sc seyunisoul@gmail.com
25	JOAO ABRANTES	ANGOLA	C&C Technologies (Angola)	Rua Antonio Marques Monteiro – 36/38 Luanda Angola	Tel: Fax: E-mail: joao.abrantes@cctecnol.com
26	BERNARDO MANUEL	ANGOLAN NAVY	Marinha De Guerra	Avenida, 4 De Devereiro	Tel: Fax: Cell: +244 923350407 E-mail: Berman200@yahoo.com.br
27	MARTINHO ANTONIO	ANGOLAN NAVY	Marinha De Guerra	Avenida, 4 De Devereiro	Tel: +224 22 338089 Fax: Cell: +224 924578500 E-mail:
28	HUSSEIN FARAH	KENYA (RCMRD)	Regional Centre for Mapping (RCMRD)	P.O. Box 632-00618 Nairobi Kenya	Tel: +254 722 872639 Fax: E-mail: farah@rcmrd.org
29	JUSTIN HORNBY	SOUTH AFRICA	C-MAP SA (Jeppesen)	P.O. Box 30760 Tokai 7966 Rep of South Africa	Tel: +27 21 7012930 Fax: E-mail: justin@c-map.co.za
30	D.O.C. GONDWE	MALAWI	Surveyor General	Private Bag B525 Lilongwe 3 Malawi	Tel: + 265 08829692 Fax: +265 01752581 E-mail: docgondwe@yahoo.com

	PARTICIPANT	COUNTRY	ORGANIZATION	ADDRESS	CONTACT DETAILS
31	M.S.C. MZUNZU	MALAWI	Department of Surveys	Private Bag B525 Lilongwe 3 Malawi	Tel: +265 1750508 Fax: +265 1752581 E-mail: mzunzumtt@malawi.net
32	A.S.M. MWESO	MALAWI	Hydrographic Unit	P.O. Box 127 Monkey Bay Malawi	Tel: +265 09551273 Fax: E-mail: amweso@yahoo.com
33	B. CHIGONA	MALAWI	Hydrographic Unit	Hydrographic Surveys P.O. Box 127 Monkey Bay	Tel: +265 09942108 Fax: E-mail: gchigona@yahoo.com