

REPUBLIC OF MOZAMBIQUE

**INSTITUTO NACIONAL DE HIDROGRAFIA E NAVEGAÇÃO
NATIONAL INSTITUTE OF HYDROGRAPHY AND NAVIGATION
(INAHINA)**



NATIONAL REPORT

TO THE

**9th SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION
(SAIHC) CONFERENCE**

MAURITIUS, 18-19 SEPTEMBER 2012

1. General

The National Institute of Hydrography and Navigation (INAHINA) is the Mozambican Hydrographic Office, working under the Ministry of Transport and Communications.

The main function is to carry out activities aimed to ensure safe navigation, marine protection in the Mozambican waters, including support of marine studies and scientific researches in the field of hydrography, oceanographic and related.

It's composed for the following services:

- Service of hydrography;
- Service of Oceanography;
- Service of Aids to navigation;
- Service of maintenance and infrastructure.

Beside the services above listed there are several departments responsible for operational matters.

1.1 Location

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Maputo, Mozambique

INAHINA has also several branches over the country:

- The Beira Branch (central Mozambique);
- The Quelimane Branch (central Mozambique) ;
- The Nacala Branch (north Mozambique);

- The Pemba Branch (north Mozambique).

2. Surveys

With regard to surveys, during the last period the institution put its efforts in collecting all information necessary to be used in the production of Ports of Beira and Quelimane nautical charts, including of Pemba Bay. The respective surveys consisted in two phases:

- Survey of the port area (already concluded) and
- Survey of its approaches (channel and fairway).

For the purpose of Quelimane and Pemba Bay chart production, the surveys were scheduled to take place during this year.

3. New charts & updates

INAHINA has registered improvements in terms of training of personnel and ENC production related software. Presently INAHINA is focused in paper chart production and its update.

During the targeted period a new chart of Port of Beira has been produced, with local reference number 16304. Efforts are taking place for the production of Port of Quelimane and Pemba Bay.

4. New publications

As part of its attribution, INAHINA is also responsible for providing information covering several areas of maritime sector, whenever requested or as part of its ordinary work.

Recently INAHINA has produced the Tide Table for 2013, which is a big contribution for safety of navigation in the Mozambican waters.

A process aimed at the production of a new Master Plan and a new Strategy of Development of Hydrography has been started.

5. MSI

There is an ongoing study aiming to identify suitable infrastructure for transmission of MSI. The team responsible for this task has already met with several organizations and public institutions, both in Maputo and in central and north Mozambique.

6. C-55

No relevant developments' regarding updates to the C-55 has been registered.

7. Capacity Building

This is a continuous need for the INAHINA personnel. Hydrographic technologies and techniques are in a continuous change and this requires constant adjustments of the HO.

At the moment, there are two oceanographers in master degree studies and one for PhD. Another two hydrographers are participating in two IHO Hydrography courses, Category B, namely: hydrographic surveying, and Hydrographic Data Processing and Marine Cartography, including a participation in the SAIHC Shallow Water Survey workshop, in 2011, in South Africa.

Although there's recognition of the need for more trained technicians, on one hand, there is also, on the other hand, the problem of lack of equipment/technologies, since the actually existing capacity is no longer able to meet the skills of the new formed/trained staff, both in terms of the operability and quantitatively.

7.1 IHO Technical Advisory Visit

As a follow-up of the 2006 SAIHC Technical Advisory Visit, a new Technical Advisory Visit has been scheduled to take place next October. For this purpose, a team composed by hydrographers from Norway and Portugal has been tasked visit Mozambique (INAHINA).

7.2 Bilateral partnerships

With the objective of forming and training their staff, INAHINA has established cooperation relationships with some hydrographic offices, such as the Portuguese Hydrographic Office,

the South African Hydrographic Office, which has offered some training opportunities for INAHINA personnel. However, much remains to be done.

Recently, INAHINA has received a Proposal of MoU from the Angolan Hydrographic Office (ISHMA) for cooperation in the field of hydrography and related subjects.

8. Oceanographic activities

In the framework of GEBCO, IOC/UNESCO and ODINAFRICA IV Project, the institute has contributed to the production of the marine and coastal atlas.

In the field of marine protection and prevention of disasters, the institute received request for assistance which has resulted in the assessment of the environmental impact in the Chire Zambeze Valley; and also provided tidal data to the COASTMAP-IO Project (tsunami awareness).

There's no additional information on the status of the tide gauge network as it remains the same as given in the report to the 8th SAIHC Meeting (2011).

9. Additional Information

a) Participation in IHO Working Groups

INAHINA participated in the 2012 International Hydrographic Conference, with a delegation composed by three members. It enabled the participants to learn and to recognize the need of meeting the guidelines issued by the Organization.

A delegate from INAHINA has also took part at the SAGNEP Meeting (last May) where he also participated at the workshop on Aids to Navigation, organized in conjunction with IALA for the persons working in the field of aids to navigation.

b) Status of Approval of Amendments to the IHO Convention

The proposal for approval of the Protocol of Amendments to the IHO Convention was already sent to the Ministry of Transport and Communications for further procedures, in conjunction with the Ministry of Foreign Affairs and Cooperation. Few weeks before the

IHC, INAHINA was informed that the proposal had been considered ready to be approved. However, no development has been registered since then.

c) Status of Approval of New Member States of the IHO

In 2011, INAHINA has requested the Government Support for Haiti and Montenegro in their applying for membership of the IHO. In 2012, same requests have been made for Viet Nam and Brunei Darussalam. Notwithstanding the insistences of INAHINA with relation to these matters, no response was received. Either way INAHINA will keep insisting and hopes to have a response as soon as possible.

Request of support for Georgia's applying has already drafted and sent to competent authorities.

d) Marine Signalization

INAHINA is committed to continuously improving the aids to navigation system. This includes the maintenance of buoys in the approach channels to the ports and a range of activities aimed at the restoration of the lighthouses.