

Hydrographic National Report of Mozambique

INSTITUTO NACIONAL DE HIDROGRAFIA E NAVEGAÇÃO (INAHINA)

**7th SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION
(SAIHC) MEETING, LA RÉUNION, 14-17 SEPTEMBER 2009,**

INTRODUCTION

This report describes the main technical activities and developments carried out by INAHINA between September 2007 and September 2009. It was elaborated in order to be presented to the 7th SAIHC Meeting, and specially covers the following areas: Hydrograph, Cartography, Oceanography, Aids to Navigation and Capacity building.

1. Hydrographic office: General

INAHINA is responsible for hydrographic surveying, chart production, aids to navigation, and physical oceanography in Mozambican waters.
The last C-55 update was in August 2009

2. Surveys

The port entrances of Maputo and Beira were resurveyed as part of routine depth monitoring. At Beira Port, the survey was performed in conjunction with dredging operations aiming at changing the port entrance.

Also, based on recent surveys, INAHINA constructed digital terrain model to assist on monitoring dredging operations outcome.

3. Charts and Publications

INAHINA has published the following new charts: Lake Niassa(Meponda Metangula Ports), and Maputo approaches, (INT number 7582).

Also production of new chart editions for the ports of Pemba Beira, Inhambane, Maputo Bay, and Cobué are in progress.

INAHINA has issued a 2nd edition of the tide table.

4. Light Houses

As part of the aids to navigation plan, two light houses, Chinde and Inhamiarra, were rehabilitated, and new light buoys were deployed at Quelimane Channel.

5. Oceanographic activities

INAHINA is conducting studies of oceanic water properties, which includes the determination of physical/chemical parameters, such as temperature, salinity and density.

Current measurement and modeling of water circulation were carried out in Beira.

6. Tide Gauge Network

There are four tide gauge stations operational along the Mozambican coast, namely Maputo, Inhambane, Nacala and Pemba.

Under the Gloss project, INAHINA is operating two-radar tide gauge stations at Inhambane and Pemba.

7. New equipment

Nil

8. Capacity Building

In order to build up the capability on ENC production, some training in dKart Editor took place in collaboration with NHS (Norway Hydrographic Service) and Jeppesen marine.

One Cartographer from Portugal (IH) visited the cartographic section at INAHINA in this period, to improve skills on the Paper Chart finalization.