

1. Hydrographic Office/Service

The **Instituto Hidrográfico e de Sinalização Marítima de Angola – IHSMA**, is a public institute , under the Ministry of Transports, with legal personality , administrative, financial and patrimonial own , created by Presidential Decree in order to exercise the functions of Coordination , Promotion , Development , Guidance , Control , Inspection, Licensing and Regulation to all activities related to Hydrography , Cartography , Oceanography , Dredging and Maritime Signalization.

The main responsibility of **Instituto Hidrográfico e de Sinalização Marítima de Angola – IHSMA**, is to facilitate the safe navigation in the coastal and inland waters through the provision of hydrographic, cartography, oceanography, and maritime signalization services and through the installation, rehabilitation and maintenance of aids to navigation . It has also the function of calibrating magnetic compass.

2. Surveys

There is very limited survey capability available at IHSMA, no survey ships or launches for reasons of lack of technical equipment, various activities are undertaken by public and private companies requiring their services.

IHSMA, provided assistance to private and public Companies in the programs and projects of Angolan coastline, with the provision of groups / work teams for proper monitoring and participation in field work and cabinet, in which we highlight the performance of the IHSMA – CIDDEMA(Commission of Delimitation and Demarcation of the Angola Maritime Space) , with purpose of substantiate an application for extension of the national continental shelf (UNCLOS). Also developed studies, projects and assistance, namely:

Luanda and Mussulo Bay have been dredged and surveyed by a contracted private company, channel has been opened.

In Soyo a channel has been dredged to 14 meter depth up to a LNG (Liquefied Natural Gas) terminal.

Private Companies have done preliminary surveys of new Port of Cabinda and Port Amboim.

Implementation of Wacs submarine cable

Implementation of marinas in Luanda and Corimba bays

Construction, repair of light house, beacon and buoy

None of all these surveys has been updated in the official charts.

Instituto Hidrografico e de Sinalização Maritima de Angola (IHSMA) is working in the process of acquiring hydrographic equipment as soon as possible (survey ships) for near shore surveying.

Problems encountered: Technician and equipment.

3. New charts and updates

No charts production and publication takes place at IHSMA, the existing nautical charts are based on the Portuguese charts, nowadays some public and private company have been update several charts, based on the Portuguese ones, from Angolan waters.

Problems encountered: Technician and equipment.

4. New publication & updates

There aren't new publication and updates charts made at IHSMA, only some private company have been update nautical charts.

Problems encountered: Technician and equipment.

5. Maritime Safety Information (MSI)

M.S.I is organized as a part of **IHSMA**, which collects the relevant information and promulgates the Navigational Warnings. Weather Warnings are promulgated by INAMET (National Institute of Meteorology). The messages are broadcasted by Luanda Radio.

A separation between the local, coastal and oceanic warnings is not made. According to **IHSMA** selected information is sent to NAVAREA coordinator by IHSMA.

Problems encountered: Technician, equipment and new infrastructure for transmission.

6) - S – 55

The information in S-55 is from 2004, IHSMA is working timely, collection and promulgation of Hydrographic information to update all the information in the publication S-55, especially the part related to surveying.

6. Capacity Building

The aim of **Instituto Hidrográfico e de Sinalização Marítima (IHSMA)** de Angola is to build up an Institute that will take care of surveying, data management, chart production, MSI topics and, in addition, be responsible for the lighthouses, lights, buoys, etc. for the coastal area and harbours.

The number of personnel necessary is presented in the following table:

Classes Professionals	YEAR				
	2013	2014	2015	2016	2017
Officers	8	9	11	13	15
Administrative and equivalent	15	20	25	30	34
technicians	5	10	15	20	25
TOTAL	28	39	51	63	74

But, for this start up phase, IHSMA need the following personnel:

- 1) - One (1) Engineer Hydrographer, who supervise and assume responsibility of the said Agreement;
- 2) - 1 (one) Hydrographic Technician Level "A" to co - lead the field work and responsible for the technical preparation of the technical IHSMA;
- 3) - 1 (one) Hydrographic Technician level "B" for participation in field work;

4) - 1 (one) for reporting Maritime Technical;

5) - (five) Technical Support : 2 (two) Hydrography, one (1) Navigation, one (1) Cartography Hydrographic and one (1) for framing of Oceanography Technical IHSMA (stay in Angola six (6) months);

8. Oceanographic activities

No oceanographic activities takes place by IHSMA, nowadays some private company have been made and sent the report of activities to the IHSMA.

Problems encountered: Technician and equipment.

9. Other activities

IHSMA, carry out several congeners contacts with institutions to establish cooperation in various fields, with priority for exchange of experiences, information and data as well as for training frame.

In this context were established among others, the following contacts: With the DNH Brazil, the INAHINA Mozambique, NORAD of Norway, IHPT Portugal, OHI, the SAIHC, the IMO, IOC and IALA.

10. Conclusions

In spite of the situation, Angolan government is concerned about the actual status and mentioned that the development of the hydrographic capacity in a country such as Angola with an extensive maritime activity and a long coastline is considered to be a priority.

With the regard to development of Instituto Hidrografico e de Sinalização Maritima de Angola (IHSMA), the fact that trained, well qualified personnel and equipment are leaving hydrographic services, continue to be a major problem.

BY ANGOLAN DELEGATION

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