



REPUBLIC OF ANGOLA
MINISTRY OF TRANSPORT

INSTITUTO HIDROGRÁFICO E DE SINALIZAÇÃO MARÍTIMA DE ANGOLA
(IHSMA)



NATIONAL REPORT

TOTHE

13TH EASTERN ATLANTIC HIDROGRAPHIC

COMMISSION CONFERENCE (EAtHC)

CASABLANCA: 16 - 18 SEPTEMBER 2014

1. Hydrographic Office/Service



(Head Office Av.4 de Fevereiro nº42-Predio Sécil Marítima-10ºandar)

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.



(Technical Facilities Luanda Harbour)

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:

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



Dredging work for deepening of the navigation channel of the port of Cabinda, to 14 meters depth.



Installation of tide gauges along the maritime coast of Angola.



Rehabilitation of lighthouses, beacons and buoys in navigable section of the Zaire River



Construction, repair of light house, beacon and buoy



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

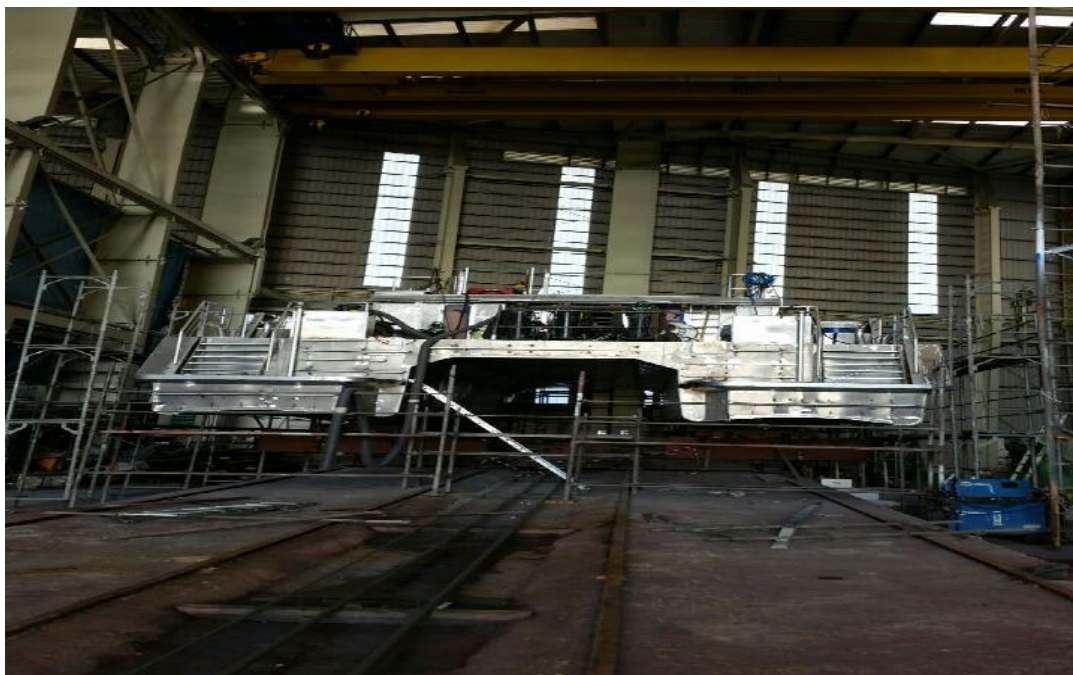


In 2011, the English Admiralty proceeded to update the nautical chart 659, approaching the port of Soyo



Instituto Hidrografico e de Sinalização Maritima de Angola (IHSMA) is working on the acquisition of hydrographic equipment as soon as possible (research vessels) that will provide with ability to conduct its business process and thus contribute to improve the production of data and information, local, regional and continental interest.

The following means will be acquired from Spain:
vessel for signposting – 1



vessel to port surveys – 1



vessel to coastal surveys - 1



Problems encountered: Technician and equipment.

For 2015 in the areas of maritime jurisdiction of Angola that are inserted in EATHC area, including the Congo River and the province of Cabinda,



the IHSMA intends to accomplish the following projects and studies:

Acquisition and installation of tide gauges and other equipment

Acquisition of help marine navigation system network

Topographic and hydrographic survey of the ports of Cabinda and Soyo

Updating of nautical charts of the ports of Cabinda and Soyo

Study of the navigability of the Congo River

Modernization of maritime signaling in the Congo River

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. The last nautical chart was published in 1972.

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 to specific and local needs.

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.

The IHSMA has participated in training courses offered by IHO

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.

This perspective on the creation of the National Hydrographic Committee, which will enable greater control of data and information on the surveys developed in the maritime coast of Angola.

7. Capacity Building

The aim of **Instituto Hidrográfico e de Sinalização Marítima de Angola (IHSMA)** 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			
	2014	2015	2016	2017
Officers	9	11	13	15
Administrative and equivalent	20	25	30	34
technicians	10	15	20	25
TOTAL	39	51	63	74

This time we have two hydrographers level "A", and one level "B". We also have two technicians on topography

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.

The development of IHSMA, depends also the protocol of cooperation with neighboring countries in the region, mainly in the construction of hydrographic capacity through technical training in the field of hydrography, navigation, cartography and oceanography. This is the main challenge of this Institute in the short, medium and long term.



And for us to follow and we may be privy actions of developing this region, in the matter of safety of navigation and nautical cartography. Taking advantage of the invitation of the President of OMAOOC, we appreciate the opportunity to be able to work together in establishing and strengthening the hydrographic capabilities in the region to exchange information, experience and knowledge about research and scientific and technical research.

BY ANGOLAN DELEGATION

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(General Director)