

# KENYA NATIONAL REPORT TO SOUTH AFRICAN AND ISLANDS HYDROGRAPHIC COMMISSION (SAIHC)

## Executive Summary

Republic of Kenya has about 614 Km. of coastline and 143,000Km<sup>2</sup> EEZ. The coastline is completely charted at both large and small scales. It has one main port that handles about 19.1million metric tonnes of cargo annually. Construction of a second major port is on going.

### 1. Hydrographic Office / Service:

Hydrographic Survey and Services are provided by the Hydrographic Surveys Division (HSD) in the Department of Surveys, Ministry of Lands.

There is a National Hydrographic and Oceanographic Committee (KNHOC) that is responsible for coordination of hydrographic and oceanographic services in the country. This committee also advises the government on matters relating to hydrographic and oceanographic matters.

### 2. Surveys: Coverage of new surveys:

New technologies and /or equipment.

- The Department of Surveys has acquired four (4) portable tide gauges (Vale Port) to be used in tide measurements.

New ships

- A boat has been procured for the dedicated use of shallow water surveys.

New Surveys

- Dredging Surveys have been carried out in the country's main port. The data has been forwarded the UKHO for updating the relevant charts.

Problems encountered

- The boat requires fortification to be transformed into a survey vessel.

### 3. New charts & updates:

ENCs

- There are no Electronic Navigational Charts Covering Kenyan Waters.

ENC Distribution method

- Subsequently there are no distribution mechanisms.

RNCs

- The United Kingdom Hydrographic Office administers the creation, update and distribution of these charts on behalf of the country.

INT charts

National paper charts

Other charts, e.g. for pleasure craft

- No new charts produced

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Problems encountered

- Availability of charts locally is a challenge as there is no local UKHO distribution agency.
- Capacity – both technical and equipment - engage in Chart production and updating is a challenge.

#### **4. New publications & updates:**

New Publications

- Currently there are no new Publications

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Updated publications

- These are undertaken by the UKHO.
- Port Mombasa Including Port Kilindini and Port Reitz (INT 7702) updated in the year 2012 with survey of 2010.

Means of delivery, e.g. paper, digital

- Delivery of complimentary copies to Survey of Kenya is by paper. Users get updated copies in digital version.

Problems encountered

- Capacity – both technical and equipment – is lacking to engage in Chart updating.

#### **5. MSI:**

Existing infrastructure for transmission

New infrastructure in accordance with GMDSS Master Plan

Problems encountered

## 6. S-55 Latest update (Tables):

## 7. Capacity Building:

Offer of and/or demand for Capacity Building

- Hands on Training on Chart Production and updating required
- Relevant Hydrographic and Chart Production Programs needed
- Hands on Hydrographic Data Collection needed

Training received

- Hydrographic Survey Category B (10 officers)
- Marine Cartography, Hydrographic Data Processing and ENC Production (1 officer)

Training Needed

- The following areas need attention:
  - o Hydrographic Survey Category A
  - o Tide Gauge Installation techniques
  - o Survey Boat Calibration needed
  - o Marine Spatial Data Management
  - o Inundation Mapping

Training Offered

- Introduction to Hydrographic Survey at Regional Centre for Mapping of Resources for Development (RCMRD)
- Chart Awareness Course at RCMRD

Status of national, bilateral, multilateral or regional development projects with hydrographic component. (In progress, planned, under evaluation or study)

- Construction of second major (Lamu) Port underway ( Contracting Stage)
- Oil and Gas Prospecting on going by International Companies

Definition of bids to IHOCBC

## **8. Oceanographic activities General:**

GEBCO/IBC's activities

- There are no ongoing activities at the moment

Tide gauge network

- Two Permanent Tide Stations running and data available on line.

New equipment

- Four Portable tide Gauges (Vale Port) acquired by the department of surveys.

Problems encountered

- Technical capacity in locating and installation of the gauges required

- Real Time Tide Gauge Data transmission capacity required

## **9. Other activities:**

Participation in IHO Working Groups

- The country does not participate in IHO Working Groups as it is yet to get IHO Membership.

Meteorological data collection

- This function is undertaken by the Meteorological Department, Ministry of Transport (KNHOC Member)

## **10. Conclusions**

- There are heightened hydrographic activities in the country that require local expertise at the level of IHO standards. In this regard the country, while appreciating the technical assistance so far received, continues to look forward to the continued technical help from SAIHC. Further the country welcomes SAIHC Technical Team that will be visiting the country latter in the year.