

NATIONAL REPORT

ON THE HYDROGRAPHICAL ACHIEVEMENTS IN MADAGASCAR

Presented by:

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MADAGASCAR

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This report focuses on the main achievements in hydrography in Madagascar from the last SAIHC conference which has been held in Mauritius in 2012.

1 – Collaboration with SHOM

Following the hydrographic surveys attended by Malagasy technicians in 2008, the SHOM edited new charts of Toamasina and Antsiranana. The FTM contributed by issuing corrections during the control phase.

2 – Acquisition and use of equipments

The FTM has acquired a single-beam echosounder and a GPS receiver from Coastmap-IO;

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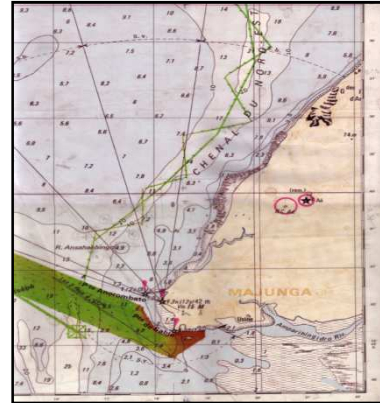
These equipments were tested during a cooperation with the APMF (Agence Portuaire, Maritime et Fluviale);



Purpose: acquisition of additional data to ensure safety of navigation within the North west channel of Mahajanga;

Survey

- The survey was conducted following the profiles along the channel as required by APMF (October 2012).
- Tidal observation was completed during the survey at the Port Schneider Jetty.



Observations

- The equipment configuration was successful
- the acquisition system was frequently locked
- the result is not therefore conclusive for the safety of navigation



3 – Capacity development

- One engineer of FTM have followed the Hydrographic survey course “category B” from august to November 2012 in Rotterdam.

4 – Perspectives

FTM ongoing work: Establishment of geodetic control points

- Two of them are specially intended for future hydrographic survey in Mahajanga (Port Schneider, Pointe des sables)



Port Schneider observation with new equipment

- Two other points determine lighthouses coordinates : Katsepy and Antanihely Nosy Be.



Katsepy Lighthouse



Antanihely lighthouse

- Next project: A survey of Toliara port is planned during two weeks in December 2013
- Referred remarks:
 - Radio receiver is missing
 - As urgent need, an on-the-job training on the use of equipments is required. The hydrographic survey in Toliara is an opportunity for the implementation.
 - Needs in terms of satellite images based maps for some areas of Madagascar (Nosy-be, Taolagnaro as pilot sites).
 - Needs in software, pneumatic or polyester boat for hydrography survey, qualified hydrographer
 - Needs in establishment of the regional hydrographic training center in Mahajanga.