



INTERNATIONAL HYDROGRAPHIC ORGANIZATION

NATIONAL REPORTS FROM MADAGASCAR TO THE SAIHC 16

Reference: IHO Resolution 2/1997 as amended

Executive summary

1. Hydrographic Office / Service:
 - a) Description: FTM (National Institute in charge of Geography and Hydrography)
 - b) Name of the institution: FTM (Foiben-Taosarintanin'iMadagasikara)
 - c) Submitted by: NarizoMahefaRahaingoalison

Detailed information for the IHO Publication P-5 (*Yearbook*) is submitted in Annex A.

2. Surveys:

[Describe the developments in surveys related to the items below]

 - a) Coverage of new surveys: no significant change
 - b) New technologies and /or equipment : no new acquisition
 - c) New ships :
 - d) Problems encountered : lack of capacities and resources in the field of hydrographic survey and marine cartography

Detailed information about surveys for the IHO Publications P-5 (*Yearbook*) and C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annexes A and B, respectively.

3. New charts & updates:

[Describe the developments in charting related to the items below]

 - a) ENCs
 - b) ENC Distribution method
 - c) RNCs
 - d) INT charts
 - e) National paper charts
 - f) Other charts, e.g. for pleasure craft
 - g) Problems encountered

- Administrative arrangement between the hydrographic office of Madagascar (FTM) and the French Hydrographic Service (SHOM) is in progress and waiting for validation at higher level (Ministry).

Detailed information about charting for the IHO Publications P-5 (*Yearbook*) and C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annexes A and B, respectively.

4. New publications & updates:

[Describe the developments in nautical publications related to the items below]

- a) New Publications
- b) Updated publications
- c) Means of delivery, e.g. paper, digital
- d) Problems encountered

Detailed information for the IHO Publication P-5 (*Yearbook*) is submitted in Annex A.

5. MSI

[Describe the status of Maritime Safety Information (MSI) related to the items below]

- a) Existing infrastructure for transmission
- b) New infrastructure in accordance with GMDSS Master Plan
- c) Problems encountered

Detailed information about MSI for the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annex B. The national self-assessment of MSI is submitted in Annex C.

6. C-55

The table with the updated information for the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is provided in Annex B.

7. Capacity Building Offer of and/or demand for Capacity Building

- a) Training received, needed, offered
- b) Status of national, bilateral, multilateral or regional development projects with hydrographic component. (In progress, planned, under evaluation or study)
Charts of Tolanaro (Fort-Dauphin), Toliara and Nosy Be are under planning with the SHOM for the period 2019-2021.
- c) Definition of bids to IHO/CBSC

8. Oceanographic activities

- a) General
- b) GEBCO/IBC's activities
- c) Tide gauge network
- d) New equipment
- e) Problems encountered

9. Other activities

- a) Participation in IHO Working Groups
- b) Meteorological data collection
- c) Geospatial studies
- d) Disaster prevention
- e) Environmental protection
- f) Astronomical observations
- g) Magnetic/Gravity surveys
- h) MSDI Progress
- i) International

j) Etc.

10. Conclusions

Input to the IHO Publication P-5 (*Yearbook*)Country: **MADAGASCAR**Organization: **FOIBEN-TAOSARINTANIN'I MADAGASIKARA (F.T.M.)**

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent - DirectordelServicioHidrográfico o o equivalente	Post:Director General Name: RAJAONARISON Jean Désiré Postal address:PoBox 323 Antananarivo 101 Madagascar Tel:+261 34 11 229 24, +2613448 63588 Fax: Email: ftm@moov.mg ; jdrajaona@gmail.com
-Head of the Hydrographic Office (if different from the person indicated above) -Directeur du Service Hydrographique (si différent de la personne indiquée ci-dessus) - DirectordelServicioHidrográfico o (si diferente de la persona indicada anteriormente)	Post:Technical Director Name: RAHAINGOALISON Narizo Postal address:PoBox 323 Antananarivo 101 Madagascar Tel:+261 3411 22920, +2613401 23064 Fax: Email: rahaingoalison.narizo@gmail.com
-Other point(s) of contact -Autre(s) point(s) de contact -Otrospunto(s) de contacto	Hydrographer: ANDRIANARISON Misan'ny Farany Mob:+261 34 11 22922, +2613447 94952 Email: misan_andrianarison@yahoo.fr Topographer : RANDRIAMANANA Fidèle Mob:+261 34 11 229 27 Email : malalarandriamanana@yahoo.fr Cartographer : NARY Herinirina Iarivo Mob: +261 34 11 22925, +261320481449 Email: narynini@yahoo.fr
-Web site -site web -sitio web	
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: 45660 tons Date: 1996
-National day -Fête nationale -Fiesta nacional	26 Juin

-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	1974
-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	Under study
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Ministry of Regional Development, Building, Housing and Public Works
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	Hydrographic surveys, Nautical charting, Notices to mariners, Studies concerning hydrography and physical oceanography.
-Annual operating budget -Budget annuel -presupuesto anual	1 milliards Ariary (about 280 000 US \$)
-Total number of staff employed -Effectif totaux -Número total de personal empleado	106
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	
-Total number of paper charts published -Nombre total de cartes papier publiées -Número total de cartas de papel publicadas	

-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas				
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas				
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas				
-Detail of surveying vessels/ aircraft -Détail des bâtiments hydrographiques / aéronefs -Detalle de los buques hidrográficos / aeronaves	-Name -Nom -Nombre	-Displacement -Déplacement -Desplazamiento	-Date Launched -Date de mise en service -Fecha de botado	-Number of crew -Nombre de l'équipage - Tripulación
-Other information of interest -Autres informations utiles -Otra información de interés				

Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)

Country: _____

C-55 Summary for:				Comments on Charts: 1. Figures provided by UK and France, courtesy of Madagascar. 2. Large scale Paper coverage: missing (non INT scheme charts) Antsiranana, Toliara, Mahajanga, Taolanaro (Fort-Dauphin) 3. Medium scale Paper coverage by US charts. 4. Small, medium and large ENC coverage ensured by GB ENCs.
Country:	MADAGASCAR			
Country Iso Code:				
Country SubCode:				
INT Region:	H			
Country/Depend:				
Last updated:	21/09/2015			
Provided by:				
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys: 1. Data now derived from survey GIS polygonal surfaces method. New values might divert significantly.
INT	100	10	40	
RNC	0	0	0	
ENC	33	8	67	
Status of Paper Charts				
Paper charts with depths in meters (%)			100	
Paper charts referenced to a satellite datum (%)			100	
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m	0,7	97,7	0,4	
> 200m	2	12,5	87	

MSI	Y/N	Comments on MSI:
Local warning	N	
Coastal warning	N	
Nav warning	Y	0
Port warning	Y	Data provided by port authorities (APMF)
GMDSS	Y/N	Comments on GMDSS:
Master Plan	Y	
Area A1	N	Planned
Area A2	N	Planned
Area A3	N	
NAVTEX	N	
SafetyNet	N	

National MSI Self-Assessment

Country: _____

Organization: _____

1. Maritime area

[Describe maritime area including details of the geographic boundaries]

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL

3. GMDSS Master Plan

*[Report on the status of the GMDSS Master Plan: Is it up to date? When was the last update?]**[Specifics of equipment used and software version with date up-dated]*

Equipment Type for Ports and Local Area	Software Version	Date of Up-date

[Detail the number of warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time for passing to NAVAREA coordinator, as reported to the last RHC meeting]:

Year Y-2		Year Y-1		Year Y	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
xx	xx.xMins	xx	xx.xMins	xx	xx.xMins

4. NAVTEX Coverage:

[Diagram of NAVTEX stations and service areas within maritime area; Contact details for NAVTEX Stations; Confirm operational status has been validated.]

5. Operational Issues:

[New infrastructure in accordance with GMDSS Master Plan; Problems encountered?]

6. Contingency Planning

[Provide information regarding contingency plans that have been established and future plans where appropriate. Also report on any testing of the plan that has been conducted]

7. Capacity Building

- *Introduction to hydrographic survey training course*
- *Port and shallow water survey **practical** course in Madagascar, in order to have many trainees (on-the-job training)*

8. Other Activities

Ministry of transport will attempt to propose (this last trimestre 2018) a law at the Parliament asking integration of Madagascar to be IHO member.

9. National Maritime Website

[(Address, statistics (if permitted by national legislation; how often is the information on your web site updated? Do you display the date and time of the last update on your web site?)]

10. Recommendations

[If any]

11. Summary

[Please provide a short summary of this paper which will be included in the final report of the meeting.]