

Direction des missions institutionnelles
et des relations internationales
Division relations extérieures

BREST on January 22nd, 2025

N°007/Shom/DMI/REX/NP

NATIONAL REPORT

SUBJECT : France national report - Specific part for the 24th Conference of the North Indian Ocean Hydrographic Commission (NIOHC).
APPENDIX : one appendix.

1. HYDROGRAPHIC OFFICE: GENERAL

See full national report.

2. SURVEYS

2.1. COVERAGE OF NEW SURVEYS

Since the previous NIOHC Conference (May 2024), Shom has not conducted any new survey in the area.

Survey campaigns are planned by Shom on a regular basis in Djibouti to improve the navigational safety. Their achievement level depends on the authorizations received from the concerned Coastal States.

The next surveys in the region are planned in 2025 on the occasion of the deployment of the RV *Beautemps-Beaupré* in the Indian Ocean. Surveys could be carried out in particular in the waters of the Republic of Djibouti for which France officially assumes SOLAS responsibility within the framework of an arrangement established between the 2 countries.

2.2. LIDAR SURVEYS

See full national report.

2.3. HYDROGRAPHIC SURVEYS PLANNED BY 2025

See full national report.

2.4. NEW TECHNOLOGIES AND/OR EQUIPMENT

See full national report.

2.5. NEW SHIPS

See full national report.

2.6. CROWDSOURCED AND SATELLITE-DERIVED BATHYMETRY - NATIONAL POLICY

Crowdsourced bathymetry – CSB

See full national report.

Satellite-derived bathymetry – SDB

See full national report.

2.7. CHALLENGES AND ACHIEVEMENTS

See full national report.

3. NEW CHARTS & UPDATES

3.1. ENC COVERAGE, GAPS AND OVERLAPS

As of 1st December 2024, Shom has produced 847 ENCs, of which 8 ENCs within region J.

In line with the WEND recommendations and guidelines, France produces its small scale ENC cells as closely as possible to INT chart schemes.

The current status of ENC production in the region J is detailed in the table below (*changes in red*):

Usage Band	Produced Cells	Planned Cells	Percentage
1	0	0	N/A
2	1	1	100%
3	2	2	100%
4	1	2	50%
5	3	10	40%
6	1		
Total	8	15	53%

The following figure is extracted from the online PRIMAR catalogue (<http://www.primar.org>) showing Shom ENC coverage within the NIOHC (region J) area:

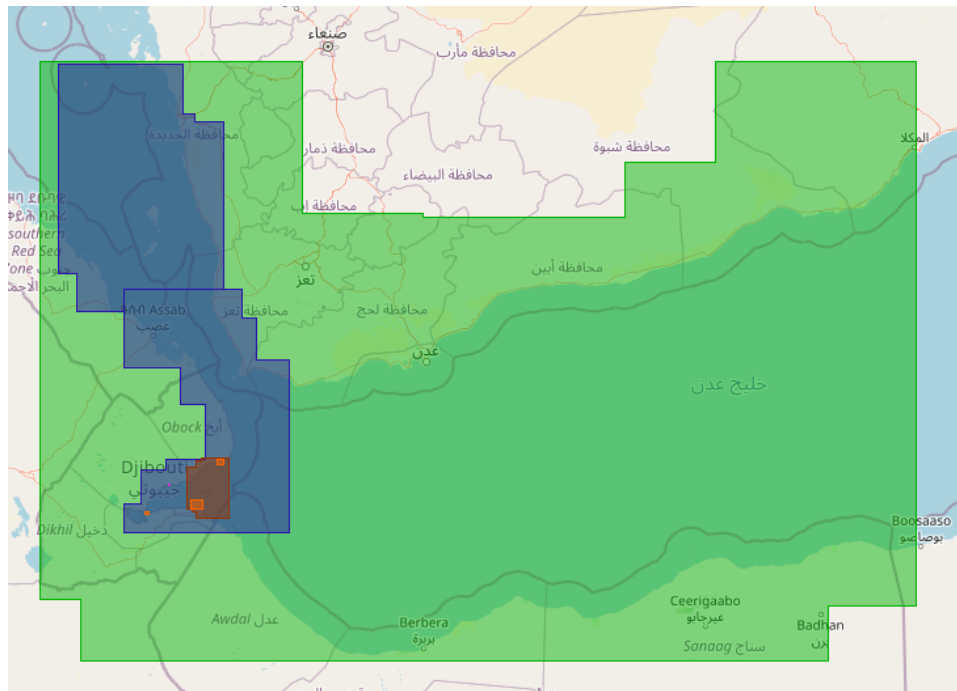


Fig1 – Region J - Shom’s ENC production

ENC cells planned for 2025 or later are listed below:

Number	Title
FR575460	<i>Port de Djibouti</i>
FR478480	<i>Ouest du golfe de Tadjoura</i>
FR57848B	<i>Entrée du Ghoubbet El Kharâb – Mouillage des Boutres (replaces FR57519B)</i>
FR57848C	<i>Port du Ghoubbet</i>
FR57849A	<i>Baie de Doraleh et de Khôr Ambâdo</i>
FR57849B	<i>Terminal de Damerjog</i>
FR57849C	<i>Port de Tadjoura (replaces FR67519A)</i>

3.2. ENC DISTRIBUTION METHOD

See full national report.

3.3. RNC

See full national report.

3.4. INT CHARTS

The overall INT chart production status for the region J (*changes in red*) is provided below:

Scale	Produced INT charts	Planned INT charts	Percentage
Small (<1/1 000 000)	0	0	N/A
Medium	3	3	100%
Large (>1/100 000)	2	4	50%
Total	5	7	71%

No INT chart has been produced since the last conference.

3.5. NATIONAL PAPER CHARTS

No national chart has been produced since the last conference.

3.6. FORECAST PRODUCTION OF INT AND NATIONAL CHARTS

INT charts planned for 2025 or later are listed below:

INT	Scale 1:	Title	Comment
7111	1 :10 000 1 :20 000	<i>Ports du golfe de Tadjoura</i>	FR7849
7121	1 :50 000 1 : 15 000 1 :12 500	<i>Ouest du golfe de Tadjoura</i>	FR7848

1 national chart is planned for 2025, designed to cover the Seba Islands at scale 1 : 25 000.

3.7. OTHER CHARTS, E.G. FOR PLEASURE CRAFT

See full national report.

3.8. CHALLENGES AND ACHIEVEMENTS

See full national report.

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4. NEW PUBLICATIONS & UPDATES

4.1. NEW PUBLICATIONS

Sailing directions:

L7 : République de Djibouti, détroits de Bab-el-Madeb (oct 2023);

L9 : îles de l'Océan Indien (partie Sud, Terre Adélie (nov 2022).

4.2. UPDATED PUBLICATIONS

See full national report.

4.3. MEANS OF DELIVERY

See full national report.

4.4. CHALLENGES AND ACHIEVEMENTS

See full national report.

5. MSI

5.1. EXISTING INFRASTRUCTURE FOR MSI DISSEMINATION

Shom's notices to mariners (GAN) are exclusively available under digital formats on Shom website: <http://diffusion.shom.fr/gan>.

MSI Point of contact at Shom:

M. Philippe Egelé
Head of Team
French Hydrographic Office
13, rue du Chatellier – CS 92803 - 29228 BREST CEDEX 2 – FRANCE
Tel : + 33 (0) 256 31 21 92
Email: infonaut-d@shom.fr

5.2. STATISTICS ON WORK OF THE NATIONAL COORDINATOR

See Appendix.

Shom plays a control and coordination role of local and coastal warnings issued by its national delegated coordinators (maritime zone commands mentioned in Appendix).

5.3. NEW INFRASTRUCTURE IN ACCORDANCE WITH GMDSS MASTER PLAN

There is no NAVTEX station cover for French overseas territories, MSI warnings are broadcast through SafetyNet network.

Hereafter are listed the coordinates of the French overseas territories POC for NAVAREA VIII:

AREA	COUNTRY	NAME	TELEPHONE	FACSIMILE	EMAIL
VIII	French Areas (La Reunion Island)	Commandant de Zone Maritime Sud Océan Indien	+262 (0)2 62 93 53 54		emia-saint-denis.permanence-ops.fct@intradef.gouv.fr

5.4. CHALLENGES AND ACHIEVEMENTS

See full national report.

6. C-55 – LATEST UPDATES

The table with the latest information to update IHO Publication C-55 (Status of Hydrographic Surveying and Charting Worldwide) regarding region J area have been provided using the online system on 25 May 2022:

Survey Status Updated: December 2024		Depth < 200m			Depth > 200m		
		A	B	C	A	B	C
J	Djibouti	32.9 %	54.4 %	12.6 %	97.9 %	0.3%	1.8 %

Charting Status Updated: December 2024		Small (<1 M)			Medium (1M < / < 100 000)			Large (> 100 000)			Metric	WGS84
		A	B	C	A	B	C	A	B	C		
J	Djibouti	100	0	NA	100	0	100	81	0	50	100	100

C-55 values for survey status (top table) and charting status (down table). Updated values are highlighted in red

7. CAPACITY BUILDING

7.1. OFFER OF CAPACITY BUILDING

See full national report.

7.2. TRAINING RECEIVED, NEEDED, OFFERED

In 2024, One petty officer from Indonesia (PUSHIDROSAL) completed the Shom Cat. B course in cartography in Brest.

In 2025 one petty officer from Indonesia (PUSHIDROSAL) will start the Shom Cat. B course in hydrography in Brest.

7.3. PROJECT MANAGEMENT ASSISTANCE FOR THE CONSTRUCTION OF HYDRO-OCEANOGRAPHIC VESSELS

See full national report.

7.4. STATUS OF NATIONAL, BILATERAL, MULTILATERAL OR REGIONAL DEVELOPMENT PROJECTS WITH HYDROGRAPHIC COMPONENT

See full national report.

7.5. DEFINITION OF PROPOSALS AND REQUESTS TO THE IHO CBSC

See full national report.

8. OCEANOGRAPHIC ACTIVITIES

8.1. GENERAL

See full national report.

8.2. GEBCO/IBC'S ACTIVITIES

In the waters under French jurisdiction of the NIOHC region, Shom's bathymetric data are accessible:

- through the *EMODnet Bathymetry* portal (<http://www.emodnet-bathymetry.eu/>)
- in the form of bathymetric DTMs for the coastline and the shoreline on Shom's dissemination space (<http://diffusion.shom.fr/pro/risques/bathymetrie.html?p=1>)
- as bathymetric batches on Shom's dissemination space (<http://diffusion.shom.fr/pro/amenagement/bathymetrie/lots-bathy.html>)

Data on transits in French and international waters were provided to IHO DCDB and for integration into the GEBCO grid in 2018.

The survey coverage and associated metadata available on the IHO DCDB site are provided via the *EMODnet Bathymetry* portal supported by the European Union. The last update of all these bathymetric resources was performed in December 2022.

8.3. TIDE GAUGE NETWORK

See full national report.

8.4. NEW EQUIPMENT

See full national report.

8.5. CHALLENGES AND ACHIEVEMENTS

See full national report.

9. SPATIAL DATA INFRASTRUCTURES

9.1. STATUS OF MSDI

See full national report.

9.2. RELATIONSHIP WITH THE NSDI

See full national report.

9.3. INVOLVEMENT IN REGIONAL OR GLOBAL MSDI EFFORTS

See full national report.

9.4. NATIONAL IMPLEMENTATION OF THE SHARED DATA PRINCIPLES – INCLUDING ANY NATIONAL DATA POLICY AND IMPACT ON MARINE DATA

See full national report.

9.5. MSDI NATIONAL PORTALS

Data available on data.shom.fr portal are organised according to the following topics:

- master data: cartography, maritime boundaries, maritime and coastal database, coastal altimetry, bathymetry, vertical datums, sedimentology, geophysics, tides, currents and historical data;
- oceanographic forecasts: waves, meteorology, water level, hourly surface hydrodynamic, daily mean 3D hydrodynamic and oceanogram;
- coastal observations: sea level (REFMAR), sea surface current and sea bottom turbidity.

Hereafter are listed some of the latest evolutions in the RHC area of interest:

- Bathymetric measurements (edition);
- Tidal table calculations (edition);
- On demand tidal table calculation (edition).

Those evolutions can all be followed via Shom's X account (@shom_en & @shom_fr).

A detailed description of the portal functions and contents is available on Shom website (services.data.shom.fr/support).

9.6. BEST PRACTICES AND LESSONS LEARNED

See full national report.

9.7. CHALLENGES AND ACHIEVEMENTS

See full national report.

10. INNOVATION

10.1. USE OF NEW TECHNOLOGIES

See full national report.

10.2. RISK ASSESSMENT

See full national report.

10.3. POLICY MATTERS

See full national report.

11. OTHER ACTIVITIES

11.1. PARTICIPATION OF IHO MEETINGS

See full national report.

11.2. METEOROLOGICAL DATA COLLECTION

See full national report.

11.3. GEOSPATIAL STUDIES

See full national report.

11.4. PREPARATION FOR RESPONSES TO DISASTERS

France may have Navy ships in the NIOHC region ready to provide support in case of an emergency. France also provides technical support and has a rapid response capacity for environmental data in case of a disaster.

The point of contact at Shom in case of a marine disaster is the head of the maritime safety information division. This division can be reached 24/7 by fax +33 298 221 665 or email coord.navarea2@shom.fr.

- **Tsunami alert**

See full national report.

- **Coastal flooding**

See full national report.

- **Oil spills**

See full national report.

11.5. ENVIRONMENTAL PROTECTION

See full national report.

11.6. ENGAGEMENT WITH THE MARITIME ADMINISTRATION

See full national report.

11.7. AIDS TO NAVIGATION MATTERS

See full national report.

11.8. MAGNETIC AND GRAVITY SURVEYS

See full national report.

11.9. INTERNATIONAL ENGAGEMENTS

For the countries benefiting from Shom support to meet their hydrographic services obligations spelled out by the SOLAS convention, France fosters a mechanism of gradual transfer of responsibilities through State-to-State administrative arrangements. This mechanism relies on training at Shom facilities and the formalization of the respective responsibilities for maritime safety information, hydrographic and charting activities.

Within the NIOHC area, a bilateral arrangement of this kind is concluded between France and the Republic of Djibouti.

An arrangement for the exchange and reproduction of nautical products, in accordance with IHO Resolution 7/1919 as amended (former A3.4) has been concluded with the National Hydrographic Office of India (INHO). The last revision was signed in June 2021.

12. CONCLUSIONS

See full national report.

APPENDIX I TO THE NOTE N° 007/SHOM/DMI/REX/NP DATED JANUARY 22ND 2025
NATIONAL MSI SELF-ASSESSMENT

Country: FRANCE
 Organisation: Shom

1. MARITIME AREA

[Describe maritime area including details of the geographic boundaries]

The maritime area includes coastal waters (up to 250 NM) of La Reunion Island.

2. OPERATIONAL POINTS OF CONTACT FOR THE NATIONAL COORDINATOR

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Shom, overseas office of the "Information and Nautical publication" department of the "Maritime Products and services" division	+33 2 56 312 306 +33 2 56 312 445	/	infonaut-zre@shom.fr

3. GMDSS MASTER PLAN

[Report on the status of the GMDSS Master Plan: Is it up to date? When was the last update?]

The French GMDSS Master Plan is compiled in the publication of Shom "Maritime radiocommunications" reference n°924-RNC available on-line :

<https://diffusion.shom.fr/pro/rsx-92-4-radiocommunications-maritimes-systeme-mondial-de-detresse-et-de-securite-en-mer-smdsm.html>

The publication is regularly updated (last version June 15th 2022).

[Specifics of equipment used and software version with date up-dated]

Equipment Type for Ports and Local Area	Software Version	Date of Update
No NAVTEX station in French overseas territories within the MACHC region. Coastal warnings broadcasted through SAFETYNET	NTR	NTR
Terrestrial radiocommunications HF, MF and VHF means	NTR	NTR

[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
NTR	NTR	NTR	NTR	NTR	NTR

4. NAVTEX COVERAGE:

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

Not applicable.

Coastal warnings broadcasted by SafetyNET in French overseas territories.

5. OPERATIONAL ISSUES:

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

NTR.

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]

The mutual support process between NAVAREA II and VIII coordinators was successfully tested in June 2018.

7. CAPACITY BUILDING

[Demands for Capacity Building, Training requested or received, any offered, status of national, bilateral, multilateral or regional development projects with MSI component]

Not applicable.

8. OTHER ACTIVITIES

[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year]

Shom participates to IHO and IMO Working Groups, Regional Hydrographic Commissions and the regional conferences related to MSI over past year (SMAN12, NCSR7, DRWG19).

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?)]

French overseas territories POC for NAVAREA VIII:

AREA	COUNTRY	NAME	TELEPHONE	FACSIMILE
VIII	French Areas (La Reunion, Island)	Commandant de Zone Maritime Sud Océan Indien	+262 (0)2 62 93 53 54	
		EMAIL	emia-saint-denis.permanence-ops.j3.fct@intradef.gouv.fr	

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.]

Shom, as French national MSI coordinator, do not transmit MSI within the NIOHC region.

Shom controls and coordinates the warnings issued by its national delegated coordinators.

LISTE DE DIFFUSION

DESTINATAIRES :

- NIOHC CHAIR (VICE ADMIRAL KOMSAN KLINSUKON THAILAND)
- NIOHC SECRETARIAT
- IHO SECRETARIAT

COPIES INTÉRIEURES :

- DG
- DMI (D-REX)
- ARCHIVES (DMIDSD 2.015)