

**NATIONAL REPORT TO THE
MEDITERRANEAN AND BLACK SEAS HYDROGRAPHIC COMMISSION (MBSHC)
(Tunisia – Tunisie)**

1. Hydrographic Office / Service: **The Tunisian Hydrographic and Oceanographic Service has changed its name to become Tunisian Naval Hydrographic and Oceanographic Center. *Le Service Hydrographique et Océanographique a changé de nomination pour devenir Centre Hydrographique et Océanographique de la Marine Nationale.***

2. Surveys: Coverage of new surveys. **See appendices 1 and 2– voir annexes 1 et 2**
 New technologies and /or equipment: **Reson Multibeam System – Système multifaisceaux Reson.**
 New ships: **None - Néant**
 Problems encountered: **None - Néant**

3. New charts & updates: ENC*s*: **9 cells covering the north of Tunisia – 9 cartes couvrant le nord de la Tunisie**
 ENC Distribution method: **Under study – Sous étude.**
 RNC*s*: **None - Néant**
 INT charts: **None - Néant**
 National paper charts: **four 1/75000 charts, one 1/150000 and four large scale charts covering the north of Tunisia – quatre cartes 1/75000, une carte 1/150000 et quatre cartes de détail couvrant le nord de la Tunisie.**
 Other charts, e.g. for pleasure craft: **None - Néant**
 Problems encountered: **None - Néant**

4. New publications & updates: New Publications: **Tide table 2007 – Annuaire des marées 2007**
 Updated publications: **None - Néant**
 Means of delivery, e.g. paper, digital: **Paper - Papier**
 Problems encountered: **None - Néant**

5. MSI Existing infrastructure for transmission: **None - Néant**
 New infrastructure in accordance with GMDSS: **New Navtex station to be installed in the near future in Kelibia – Une nouvelle station Navtex sera installée prochainement à Kelibia.**
 Problems encountered: **None - Néant**

6. S-55 Latest update (Tables) **See appendix 3– voir annexe 3**

7. Capacity Building Offer of and/or demand for Capacity Building: **None - Néant**
 Training received, needed, offered:
 Received: **training of three individuals in cartography in the SHOM locals – formation de trois personnes en cartographie au SHOM.**
 Offered: **Training of two individuals in GIS in Turkey – Training of one individual on Multibeam data acquisition and processing in Portugal –**

*formation de deux personnes en SIG en Turquie –
formation d'une personne en acquisition et
traitement des données multifaisceaux au Portugal.*

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

In progress: **INT 3208 with Algerian hydrographic Service – INT 3208 avec le service hydrographique Algérien**

Planned: **INT 3210 and INT 3212 with Italian Hydrographic Institute - INT 3210 and INT 3212 avec l'institut hydrographique Italien**

Under study: **INT 3216 with Libyan hydrographic service – INT 3216 avec le service hydrographique Libyen.**

Definition of bids to IHO CBC: **None - Néant**

8. Oceanographic activities

General: **None - Néant**

GEBCO/IBC's activities: **None - Néant** Tÿÿe ÿÿuge

network: **observation of mean seaÿÿevel variation in Sfax and Zarzis – Observation du changement du niveau moyen de la mer à Sfax et Zarzis**

New equipment: **None - Néant**

Problems encountered: **None - Néant**

9. Other activities

Participation in IHO Working Groups: **None - Néant**

Meteorological data collection: **None - Néant**

Geospatial studies: **None - Néant**

Disaster prevention: **None - Néant**

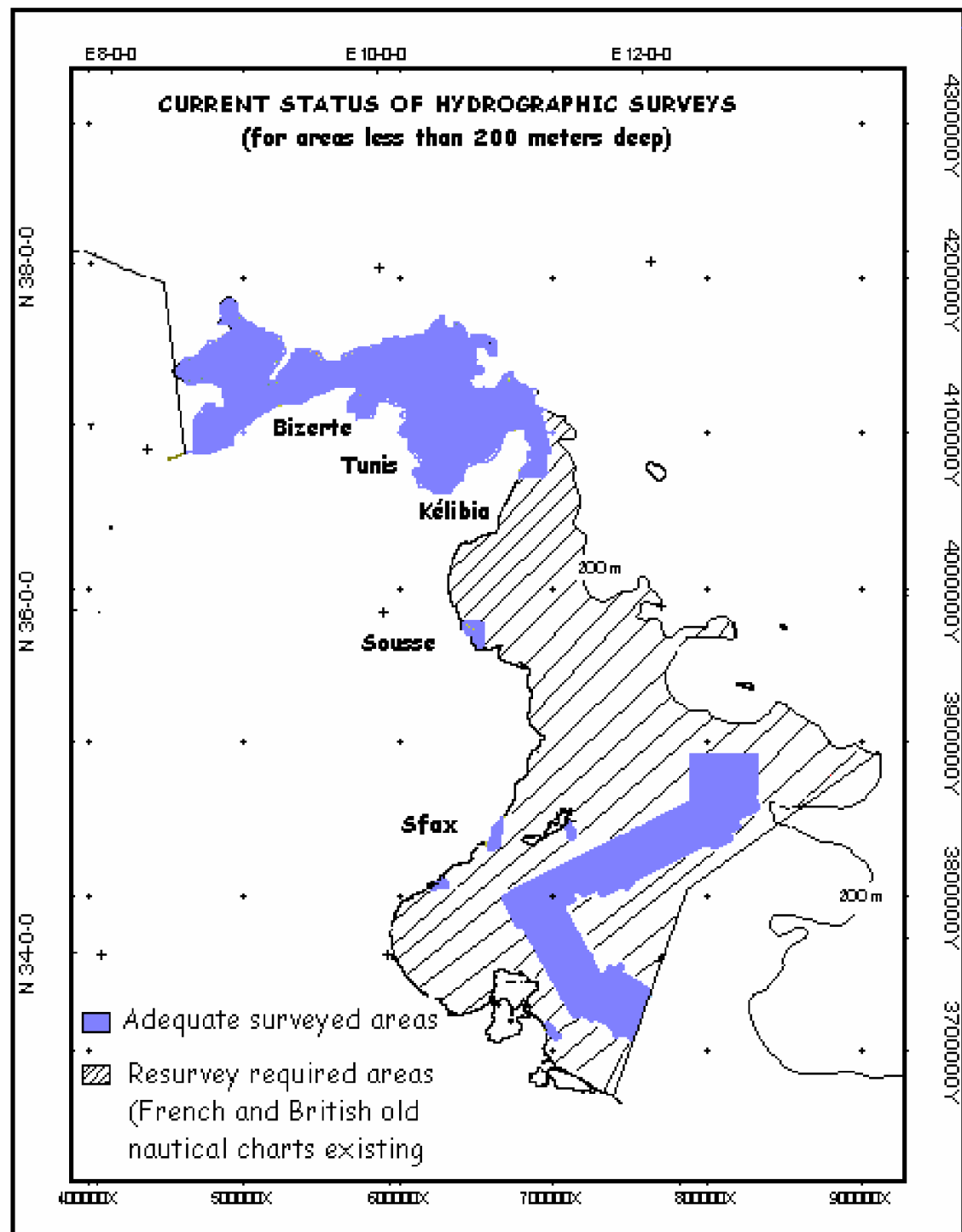
Environmental protection: **None - Néant**

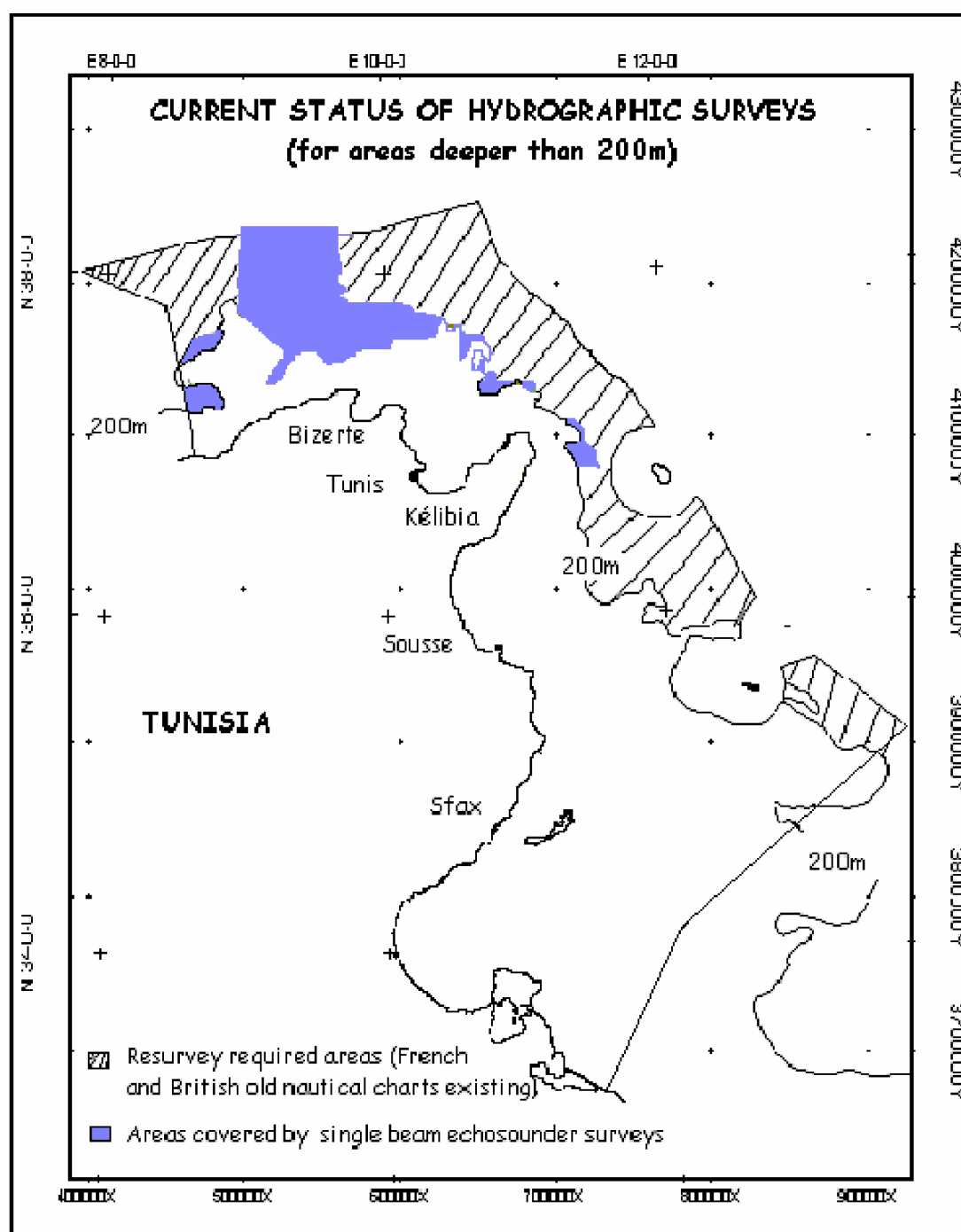
Astronomical observations: **None - Néant**

Magnetic/Gravity surveys: **None - Néant**

10. Conclusions

None – Néant





N.B:~~(MMMM)~~ : to eliminateMMMM : update

IHO SPECIAL PUBLICATION S-55
**“STATUS OF HYDROGRAPHIC SURVEYING AND NAUTICAL CHARTING WORLD-
WIDE”**
QUESTIONNAIRE

Country: TunisiaDate of validity of information: September 2007

Are any amendments required to your entry in the IHO Year Book? If so, enter below.

Update is particularly important on your outsourcing strategy and on your ability to provide contract survey or charting support to other states in your RHC area.

1. Additional phone numbers: 00 216 72 510 570

2. Name and rank of the actual head: Captain Rashid ESSOUSSI, Head Director of the Tunisian Naval Hydrographic and Oceanographic Service Center3. Actual Tonnage: 276 3944. Number of charts published: (7) 9 by the Tunisian Naval Hydrographic and Oceanographic Service Center**1. HYDROGRAPHIC SURVEYING**

1.1 Status of hydrographic survey of all navigable waters, including internal waters, out to the limits of the EEZ: (Please refer to the guidance given in the introductory text “Analysis of the Status of Surveys”).

Survey coverage, where:

A = percentage which is adequately surveyed.

B = percentage which requires re-survey at larger scale or to modern standards.

C = percentage which has never been systematically surveyed.

	A	B	C
Depths < 200m	54% <u>53%</u>	47% <u>46%</u>	--
Depths > 200m	43%	57%	--

Amplifying information:

1. Special national circumstances which influence the statistical break-down above (e.g. geographical factors such as narrow continental shelf or fringing reefs, or constraints such as areas of unstable seabed which require a routine resurvey programme).

All the Tunisian waters were previously surveyed by the SHOM – France until the fifty's.

2. Significant shortfalls in sea areas of high priority for maritime traffic

a. Maritime Shipping Routes

(1) International (i.e. between hub ports):

The resurvey of the northern maritime area is ~~scheduled to be completed in early 2007.~~

The east maritime area is under the process of resurvey with higher standards ~~scheduled to be resurveyed as soon as the north part will be entirely covered~~

b. Ports and Approaches:

Gabes and Sousse ports and relative approaches are under the process of resurvey with higher standards (multibeam, echosounder) – Sfax, Zarzis, Bizerte, Tunis, Lagoulette and Rades ports and relative approaches had already been entirely covered with higher standards.

Port of Sousse and approaches are under the process of resurvey with higher standards (multibeam echosounder) - Gabes-ghannouch, Sfax, Zarzis, Bizerte, Tunis, Lagoulette and Rades ports and relative approaches had already been entirely covered with higher standards.

2. NAUTICAL CHARTING

If you do not have a nautical charting capability, but know which country/countries has/have assumed responsibility for the charting of your sea areas, please indicate details here:

We are in the process of developing our nautical charting capability.

(Seven) Nine nautical charts had already been produced

Until now, SHOM-France is editing nautical charts covering the Tunisian waters with ~~TNHOC~~ THOS updating.

If you do have a nautical charting capability, complete the details below (Please refer to the guidance given in the introductory text “Analysis of the Status of Charting”).:

2.1 Status of nautical charting within the limits of the EEZ

Coverage of charts published by your organisation, where:

A = percentage covered by INT series, or a paper chart series meeting the standards in M-4.

B = percentage covered by Raster Navigational Charts (RNCs) meeting the standards in S-61.

C = percentage covered by ENC's meeting the standards in S-57.

Purpose/Scale	A	B	C
Offshore passage/Small	10%	--	10%
Landfall and Coastal passage/Medium	25%	--	25%
Approaches and Ports/Large	20% 10%	--	20%

Amplifying notes:

According to the IHO(MBSHC), it was agreed that **TNHOC THOS** will produce international charts as follows:

INT Chart 3208 in cooperation with the Algerian HO

The TNHOC has already surveyed 35% of the sea areas covered by this chart.

INT Chart 3210 and 3212 in cooperation with the Italian HI

The TNHOC has already surveyed 30% of the sea areas covered by INT 3210 and 7% of the sea areas covered by INT 3212

INT Chart 3214 to be produced by the TNHOC THOS

The TNHOC THOS has already surveyed 40% of the sea areas covered by this chart.

INT chart 3216 is under study for production in cooperation with the Libyan hydrographic service under 1/250000 scale.

The TNHOC has already surveyed 15% of the sea areas covered by this chart.

Significant gaps in coverage:

3. MARITIME SAFETY INFORMATION (MSI)

Fill in the tables to indicate the status of implementation of the services: Yes, No, Partial.

Use the Notes Columns to indicate services which are provided by another state, and facilities co-ordinated and/or shared with other coastal states.

(Please refer to the guidance given in the introductory text “Analysis of the status of MSI”).

NAVIGATIONAL INFORMATION (S-53)

SERVICE	Yes	No	Partial	NOTES
LOCAL WARNINGS	X			
COASTAL WARNINGS	X			
NAVAREA WARNINGS	X			Through NAVAREA III
INFORMATION ON PORTS AND HARBOURS ¹	X			

GMDSS IMPLEMENTATION (IMO Publication 970 - GMDSS Handbook²)

SERVICE	Yes	No	Partial	NOTES
Master Plan				*
A1 Area				*
A2 Area				*
A3 Area				*
NAVTEX				*
SafetyNET				*

¹ Confirm that a system exists for passage of information on changes in ports and harbours to the responsible charting authority.

² See also the guidance in Navigational Publications published by Hydrographic Offices e.g. ALRS 5.

The GMDSS IMPLEMENTATION responsibility lies on the merchant marine administration. All Tunisian merchant marine vessels comply with the IMO recommendations regarding the GMDSS implementation

4. NATIONAL PRIORITIES FOR INTERNATIONAL AND OR REGIONAL CO-OPERATION OR ASSISTANCE.

4.1 If international or regional projects are underway in your waters, please indicate here:

4.2 Indicate below any priorities for co-operation or assistance:

a. Projects meriting IHO liaison with international funding agencies:

(1) Regional co-operative projects:

- indicate involvement of RHC, or other Member and non-Member states.

According to the MBSHC, international charts are being scheduled to be produced as follows:

3208 INT	: cooperation with the Algerian HO
3210 INT – 3212 INT	: cooperation with the Italian HO
3214 INT	: scheduled to be produced by the TNHOC THOS
3216INT	: under study for production in cooperation with the
	<u>Libyan hydrographic service under 1/250000 scale.</u>

(2) National projects:

- indicate any bilateral co-operation with Member or non-Member states.

b. Requirements for training assistance:

- use M-5 and S-47 to identify level of qualification and course required.

(1) Hydrographic surveying:

Training for two officers in a recognized category A hydrographic course

(2) Nautical cartography:

Training for two officers in a recognized category A cartographic course

(3) MSI:

Training for one officer in an internationally recognized MSI course

c. Requirements for assistance with procurement of equipment:

(1) Technical advice on procurement options:

Maintain the technical cooperation with NAVOCEANO-USA, SHOM-France, IIM-Italy, HI-Portugal and DNHO-Turkey

(2) Transfer of equipment:

Maintain the technical cooperation with NAVOCEANO-USA and develop this kind of assistance with SHOM-France, IIM-Italy, HI-Portugal and DNHO-Turke