

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

Country: **EGYPT**

Date of validity of information: 8th of July 2017

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.

National Hydrographer or equivalent	Director of ENHD Commodore Dr./ Ashraf EL-ASSAL Postal address: Ras el Tin, ALEXANDRIA, Egypt Tel: + 20 3 480 1006 Fax: + 20 3 480 2233 E-mail: ashraf.elassal@gmail.com hydro@enhd.gov.eg
Other point(s) of contact	Deputy National hydrographer Commodore Dr./Mohamed Ismaeel Mohasseb E-mail: mohamedmohasseb@live.com hydro@enhd.gov.eg
	Head of Hydrographic Survey Division Captain/ Yacout Mohamed Abdelmoniem E-mail: yacoutenhd@gmail.com hydro@enhd.gov.eg
	Head of Paper Chart and ENC Division Commander/ Ahmed Hosni Azab E-mail: Ahmed.h.azab@gmail.com hydro@enhd.gov.eg
	Head of ENC Production Lieutenant Commander/ Hassan Atef EL-Halawany E-mail: Hassanhalawany.enhd@gmail.com hydro@enhd.gov.eg

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	50%	40%	10%
Depths > 200m	45%	55%	0%

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 Ports and relative approaches on the Mediterranean coast of Egypt have been re-surveyed by Modern standards.
- Suez Canal, the Most Important International shipping routing had been covered by eight band 5 ENCs, one band 4 ENC for the planning purpose and 2 INT paper charts.
- the prioritizing and planning to cover the Gulf of Suez had started from the southern approaches to the Suez Canal going southward putting into consideration the major deficiencies mentioned in C-55 3rd edition about the lack of covering of Red Sea Deeper waters from the S approaches to the Gulf of Suez to latitude 22deg N.

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

a. Maritime Shipping Routes:

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

(2) Regional (i.e. between hub ports and feeder ports):

(3) Internal (i.e. from feeder ports to other national ports; cruise liner routes):

b. Ports and Approaches:

c. Other (fisheries; offshore industry):

1.2 Status of hydrographic survey of all navigable waters, including internal waters, out to the limits of the EEZ of dependent territories:

Territory:

Survey coverage, where:

A = percentage which is adequately surveyed.

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

C = percentage EEZ which has never been systematically surveyed.

	A	B	C
Depths < 200m			
Depths > 200m			

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):

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

a. Maritime Shipping Routes:

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

(2) Regional (i.e. between hub ports and feeder ports):

(3) Internal (i.e. from feeder ports to other national ports; cruise liner routes):

b. Ports and Approaches:

c. Other (fisheries; offshore industry):

1.3 Status of hydrographic survey of all navigable waters, including internal waters, out to the limits of the EEZ of developing countries where surveys have been, or are being carried out by your hydrographic service:

Country:

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			
Depths > 200m			

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):

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

a. Maritime Shipping Routes:

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

(2) Regional (i.e. between hub ports and feeder ports):

(3) Internal (i.e. from feeder ports to other national ports; cruise liner routes):

b. Ports and Approaches:

c. Other (fisheries; offshore industry):

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:

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	0%	<i>ENHD Doesn't Produce RNCs</i>	0%
Landfall and Coastal passage/Medium	20% Local Charts		16%
Approaches and Ports/Large	12% INT 60% Local Charts		Approaches 44% Ports 74%
Percentage of Group A showing depths in metres	100%		
Percentage of Group A referenced to a satellite datum	100%		

Amplifying notes:

Significant gaps in coverage:

- *The Nile Delta at the North coast of EGYPT.*
- *Shallow waters at Gulf of Aqaba.*

2.2 Status of nautical charting within the limits of the EEZ of dependent territories

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 RNCs meeting the standards in S-61.

C = percentage covered by ENCs meeting the standards in S-57.

Territory:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

Significant gaps in coverage:

Territory:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

Significant gaps in coverage:

Territory:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

Significant gaps in coverage:

2.3 Status of nautical charting produced by mutual agreement within the limits of the EEZ of other coastal states

Coverage of charts produced 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 RNCs meeting the standards in S-61.

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

Country:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

Significant gaps in coverage:

Country:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

Significant gaps in coverage:

Country:

Purpose/Scale	A	B	C
Offshore passage/Small			
Landfall and Coastal passage/Medium			
Approaches and Ports/Large			
Percentage of Group A showing depths in metres			
Percentage of Group A referenced to a satellite datum			

Amplifying notes:

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	√			
COASTAL WARNINGS			√	
NAVAREA WARNINGS			√	The Egyptian Navy Hydrographic Department ENHD had taken some pragmatic steps to share experience with the Egyptian Authority for Maritime safety EAMS which is responsible for dissemination of NAV warnings within Egypt to ensure a timely dissemination of an up-to-date navigational warnings.
INFORMATION ON PORTS AND HARBOURS¹	√			

GMDSS IMPLEMENTATION (IMO Publication 970 - GMDSS Handbook²)

SERVICE	Yes	No	Partial	NOTES
Master Plan				All Egyptian vessels comply with the IMO recommendations regarding the GMDSS implementation.
A1 Area³				
A2 Area³				
A3 Area³				
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.

³ For description of Sea Areas A1, A2 and A3 see S-55 "Status of MSI" on the IHO web site.

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:

- East Port –Said Container Hub EPCH:

As part of Egypt's ambitious Suez Canal redevelopment, a new container terminal in Port Said at the Mediterranean end of the Suez Canal is now under construction.

-GARGOUB Port

New port is now under construction located 30 miles west Matrouh at the west cost of Egypt, The port will be a new trading hub on the west cost of Egypt.

-Ain Sukhna Product Hub ASPH

The project is known as "Ain Sukhna Product Hub ASPH" including onshore and offshore facilities to provide the services of storage, loading, unloading and send out of Fuel oil, LPG and Natural Gas .

The offshore facilities for the project include:

- One FSRU/LNG berth for natural gas import via 170 000 m3 FSRU vessel and with export capacity of 500 MMSCFD.
- One combined LPG/product berth to accommodate LPG carriers in the range 5000 m3 to 82 000 m3 and oil tankers in the range 25 000 DWT to 160 000 DWT.

-Adabea Gaint Shipyard

A new shipyard located at the southern entrance of the Suez Canal is under construction.

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.

(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:

CAT-A Hydrographer (Level 7) Master's Degree in Hydrographic Science.

(2) Nautical cartography:

CAT-B Cartography course (Nippon course)

(3) MSI:

MSI Capacity Building training

c. Requirements for assistance with procurement of equipment:

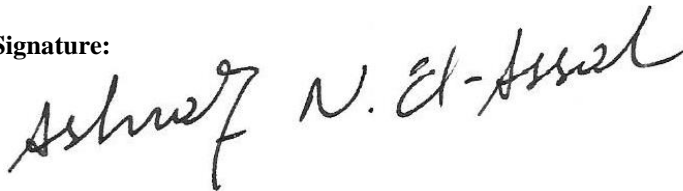
(1) Technical advice on procurement options:

(2) Transfer of equipment:

5. GENERAL COMMENTS OR ADDITIONAL INFORMATION**Recognition of hydrographic survey Category B course**

- ▶ Full Hydrographic Survey curriculum including all basic and essential competencies of the Hydrographic Surveyor as defined by the FIG/IHO/ICA International Advisory Board on Standards of Competence for Hydrographic Surveyors for a Category B Course. The course has been officially recognized on March 2017 and received continued recognition (in accordance with the Standards of Competence for Hydrographic Surveyors FIG/IHO/ICA S-5, Edition 11.1.0, December 2014) to 2023.
- ▶ ENHD and the Arab Academy for Science and Technology and Maritime Transport AASTMT are planning to offer a **HYDROGRAPHIC SURVEY CATEGORY B COURSE for IHO members** Under the umbrella of the Capacity Building project.

Signature:

Date: 8th of July 2017