



CONSTANȚA-ROMÂNIA
MARITIME HYDROGRAPHIC DIRECTORATE

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**ROMANIA
NATIONAL REPORT
TO THE 14th CONFERENCE OF THE
BLACK AND AZOV SEAS WORKING GRUP
03-04 MAY 2018
CONSTANTA - ROMANIA**

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According to the Law no 395/2004, the Maritime Hydrographic Directorate represents the Romanian National Authority in the field of hydrography, marine cartography and also the Lighthouses Authority.

Maritime Hydrographic Directorate operates under the leadership of the Naval Forces within the Romanian Ministry of National Defence.

In 2017 it is performed the topographic survey of the entire Romanian coastline.

In 2017 it is continued also the campaign of thorough hydrographic, oceanographic and topo-geodetic surveys in the Black Sea, which will cover a longer period of time. These surveys were listed as "adequate surveys" in the hydrographic surveys graphic for 2017.

In 2017 it is performed the specific measurement for expanding and updating the database managed by the "Section for Data Analysis and Evaluation for Anti-Mine Warfare" in order to increase the safety of navigation in the Romanian territorial waters.

In October 2017 Captain PhD Nicolae VATU was appointed as the new head of Maritime Hydrographic Directorate.

2. Surveys:

Coverage of new surveys:

Hydrographic surveys were executed in the coastal area up to the 20 m bathymetric and at this time we have completed up to 40% of the Romanian coast.

New technologies and /or equipments:

In 2017 we acquired a LIDAR system for topographic measurements used for ground mapping.

New ship:

This year we started the procedures in order to acquire 2 new survey platforms that will be fitted with hydrographic equipment.

Problems encountered:

We have specialized personnel in hydrography, at this time we have 2 people that hold certification in this domain.

3. New charts & updates:

ENCs:

13 ENC cells and 15 updates covering the usage bands of 4, 5 and 6

ENC Distribution method:

Through the Regional Electronic Navigational Chart Co-ordinating Centre (RENC), known as the International Centre for ENCs (IC-ENC)

RNCs:

None.

INT charts

1. The chart INT 3820 Black Sea from Kaliakra to Danube Delta, new edition (ellipsoid WGS '84) issued and published in 2014.
2. The chart INT 3905 Black Sea Romanian Coast Constantza Harbour and approaches, new chart (ellipsoid WGS '84) issued and published in 2014.
3. The chart INT 3907 Black Sea Romanian Coast From Gura Sf.Gheorghe to Gura Musura, new chart (ellipsoid WGS '84) issued in 2017, to be printed in 2018.
4. The chart INT 3908 Black Sea Romanian Coast Port and approaches of Sulina, new chart (ellipsoid WGS '84) issued in 2017, to be printed in 2018.
5. The chart no. 1.010.11 Black Sea Romanian Coast Port of Mangalia, new chart (ellipsoid WGS '84) issued in 2009, proposed for INT number (INT 3902).
6. The chart no. 1.010.31 Black Sea Romanian Coast Port of Midia, new chart (ellipsoid WGS '84) issued in 2009, proposed for INT number (INT 3904).

National paper charts:

29 paper charts edition 2009 and 5 paper charts edition 2014 covering all Black Sea Romanian responsibility area.

Other charts

Special naval charts requested by the Romanian Naval Forces.

Problems encountered:

The lack of own printing press. Shortage of certified personnel in cartography.

4. New publications & updates:

New Publications:

Annual Notice to Mariners – Special Edition, in Romanian and English languages
Annex to the Special Edition of Notice to Mariners, in Romanian and English languages

Cumulative List of Notice to Mariners, in Romanian and English languages

Notices to Mariners (monthly), in Romanian and English languages

Updated publications:

Black Sea Pilot, 2006 edition in Romanian language only.

List of Lights and Fog Signals, 2014 edition in Romanian language only.

Charts and Nautical Publications Catalogue, 2006 edition in Romanian and English languages.

Maritime Buoyage System, 2014 edition, in Romanian only.

Symbols and Abbreviations used on Romanian Paper Charts, 2015 edition, Romanian and English languages.

Means of delivery:

For all nautical publications, only hard copy format.

Problems encountered:

Lack of capabilities for delivering digital publications by CD-ROM/DVD or online options;

5. MSI

**Existing infrastructure for transmission:
NAVTEX**

The National NAVTEX service on 490 kHz in Romanian language through Constantza Radio

The International NAVTEX service on 518 kHz in English language through Varna Radio

**New infrastructure in accordance with GMDSS Master Plan:
Problems encountered:**

None

None

6. S-55

Latest update: April, 2012

7. Capacity Building

Training received:

One person, hydrography course-UKHO, Hydrographic course USA

Training needed:

Hydrographic course, Oceanographic course, Marine cartography course, ENC course

8. Oceanographic activities

Tide gauge network:

4 water level monitoring systems in Constanta, Midia, Sulina and Mangalia

Equipment:

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Oceanographic measurements:

Oceanographic measurements were performed for: Midia, Mangalia, coastal route Constanta – Mangalia and the pouring mouth of Danube in Black Sea through Sulina and Sf. Gheorghe.

Problems encountered:

Lack of training courses for the oceanography personnel

9. Other activities

Meteorological data collection: YES

Geospatial studies: Erosion of the Romanian coast

10. Conclusions

The cooperation with Hydrographic Services and national research institutes regarding the hydrographic activity represent a key point in improving the quality of hydrographic products and services in the near future in Romania. Maritime Hydrographic Directorate will continue to strengthen the cooperation in the field of hydrography with similar organizations within or outside the Black Sea.

The cooperation in the field of hydrography, oceanography and marine topogeodesy conducted to good results on the coverage of the responsibility areas, reducing the financial and human effort involved in such activities.

HEAD OF THE MARITIME HYDROGRAPHIC DIRECTORATE

Captain

PhD Nicolae VATU