



CONSTANȚA-ROMÂNIA
MARITIME HYDROGRAPHIC DIRECTORATE

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ROMANIA

**NATIONAL REPORT TO THE
BLACK AND AZOV SEAS WORKING GROUP (BASWG)
and
MEDITERRANEAN AND BLACK SEA HYDROGRAPHIC COMMISSION (MBSHC)**

1. Hydrographic Office:

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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 2012 it is performed the topographic survey of the entire Romanian coastline.

In 2012 it is continued the modernization of the coastline lighthouses using new lighting technologies which involve the low energy consumption (the lighting device using LED technology), the automatic system monitoring as well as the replacement of the nauphones with fog detector.

In 2012 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 2012.

In 2012 it is performed the specific measurement for expanding and updating the database managed by the "Center for Data Analysis and Evaluation for Anti-Mine Warfare" in order to increase the safety of navigation in the Romanian territorial waters.

In 2012 our institution became the 27th member state of the International Centre for Electronic Navigational Charts (ENCs) (IC-ENC).

In June 2012 Captain Vasile Necula 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 for: Vama Veche – Mangalia - Neptun, military exercise areas and the pouring mouth of Danube in Black Sea through Sulina.
New technologies and /or equipments:	-
New ship:	It is initiated the modernizing process of “Cpt. Cdor. Al. Cătuneanu” vessel and converting it from towing ship to hydrographic ship with modern systems and facilities.
Problems encountered:	The lack of specialized personnel in the hydrographic field.(Personnel training by hydrographical authorized courses)

3. New charts & updates:

ENCs:	16 ENC cells covering the usage bands of 3, 4 and 5
ENC Distribution method:	Through the Regional Electronic Navigational Chart Co-ordinating Centre (RENC), known as the International Centre for ENCs (IC-ENC)
RNCs:	No
INT charts	1. The chart INT 3820 Black Sea from Kaliakra to Delta Danube, new edition (ellipsoid WGS '84) issued in 2012, but it is not printed 2. The chart INT 3905 Black Sea Romanian Coast Constantza Harbour and approaches, new chart (ellipsoid WGS '84) issued in 2012, but it is not printed
National paper charts:	35 paper charts, edition 2009 covering all responsibility area of the Romanian waters
Other charts	Special naval charts requested by the Romanian Naval Forces
Problems encountered:	The lack of own printing press

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, 2006 edition in Romanian language only

Means of delivery: Charts and Nautical Publications Catalogue, 2006 edition in Romanian language only
Problems encountered: Hard copy format only
Lack of capabilities of digital publications issued on CD-ROM/DVD, annual online subscriptions and direct purchase and download formats

5. MSI

Existing infrastructure
Romanian
for transmission:
NAVTEX

The National NAVTEX service on 490 kHz in 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:

No
No

6. S-55

Latest update: April, 2012

7. Capacity Building

Training received:

One person, Marine cartography course, UKHO, 2004
Two people, ENC course, UKHO, 2009 and 2010

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:

-

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. Specialized institutions performed seismic hydrographic and oceanographic surveys in the Romanian EEZ, requested by the concession companies of the area.

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 changes of Romanian legislation 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 with national research institutes 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

Vasile NECULA