



BULGARIAN HYDROGRAPHIC SERVICE
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NATIONAL REPORT

BULGARIAN NAVY HYDROGRAPHIC SERVICE

MBSHC 24

02 – 04 July 2024,

Constanta, Romania

MAIN POINTS

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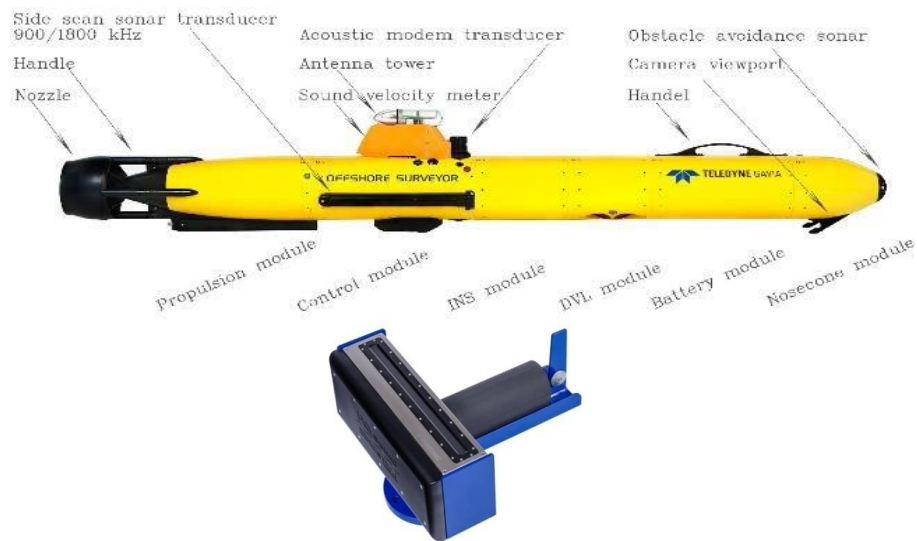
I. BULGARIAN NAVY HYDROGRAPHIC SERVICE.

1.1. The Bulgarian Navy Hydrographic service has a new head from December 2022– Captain (N) Nikolay NIKOLOV.

1.2. BNHS has 2 hydrographic survey boats 100 tons each and 1 survey boat 5.5 m, 10 hp.



1.3. BNHS is in a planning process for modernization of its production and post processing software and hardware.



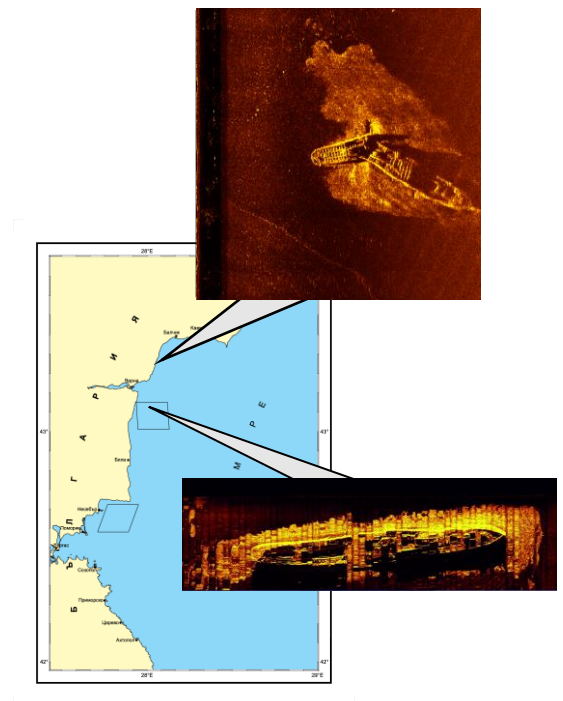
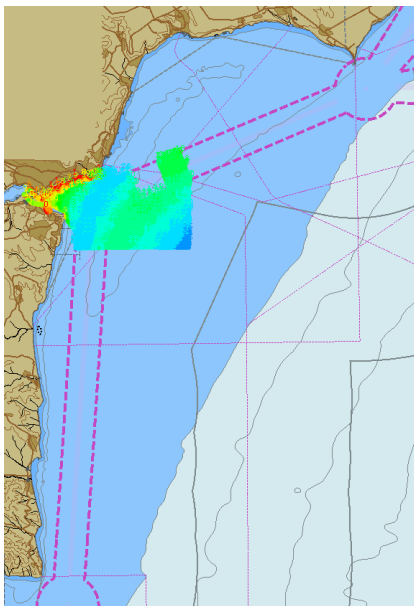
II. HYDROGRAPHY.

2.1. 2021 – 2 hydrographic surveys scale 1:25000 and 1:10000.

2.2. 2022 – 4 examination hydrographic surveys in ports Kavarna, Kiten, Bourgas scales from 1:1000 to 1:2000.

2.3. 2023 – Examination survey in port Varna.

2.4. 2024 – 2 examination surveys in Varna bay area, and SSS survey in Balchik. Two more surveys planned to the end of the year.



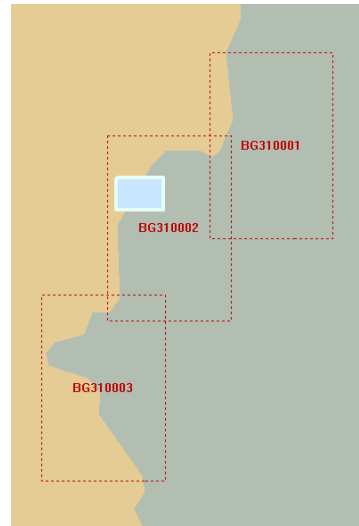
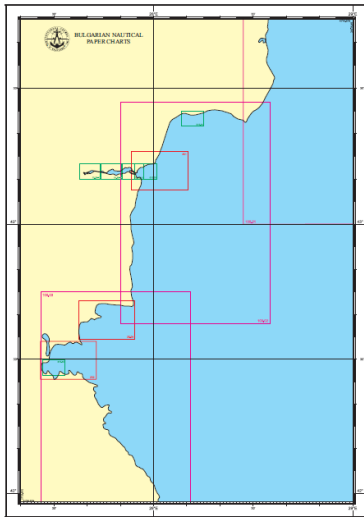
III. CARTOGRAPHY.

3.1. Cartographic post processing of 1:100 000 scale' charts has been established of Bulgarian coast line. 2 charts of the "North region" are in the end of the production line, 1 chart of the "Southern region" is in the end of the production line.

3.2. Cartographic works in progress of the last of the port chart series scale 1:10 000 is established, 1942 Datum to WGS 84 Datum.

3.3. Miscellaneous special type charts have done in a very small number of print copies – Naval exercise purposes only.

3.4. Cartographic workflow has been established to start preparing ENC cells in usage bands from 3 to 6.



IV. MARITIME SAFETY INFORMATION.

	2021	2022	2023	2024	Total
RNW	598	538	591	283 (up to the end of july)	1727
NtM	19	9	4	-	32

4.1. During the recent years BNHS works very well and in a good manner with the others national institutions in a MSI subject, such as Maritime administrations, Port authorities, Institute of Oceanography (BAS).

4.2. In procedure of MSI - > S-53 type RNW texts in progress.

V.OCEANOGRAPHY.

Oceanographic marine expeditions have been done as follows:

5.1. 2021– February, April, May, June, August, October & November.

5.2. 2022 – February, March, April, June, July, September & October .

5.3. 2023 – February, March, April, June, August, September & November

5.4. 2024 – February, March, April, May (up to now).

Total 8 oceanographic expeditions have been done in cooperation with Bulgarian institute of Science.

VI. METEOROLOGY.

- 6.1. 2021 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 6.2. 2022 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 6.3. 2023 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 6.4. 2024 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 6.5. Delivered to the addressees by the established channels.

VII. AIDS to NAVIGATION.

- 7.1. Main Lights, Navigation Lights – regular technical maintenance.
- 7.2. Floating aids – regular technical maintenance.
- 7.3. DGPS – Kavarna – regular maintenance.

Currently out of service. Planned a modernization.

- 7.4. Review of the efficiency of the AtoN mark system along the coast,
- 7.5. Planning of a modernization of the light sources and equipment.



VIII. CERTIFICATES.

- 8.1. 2023 – 1 officer Cat A. certified in University of Southern Mississippi.
- 8.2. 2024 – May – 1 officer MSI Certified.

IX. NAVY ACTIVITIES

- 9.1. Training of personnel of MSI standard & aspects of NAVTEX & Safety NET Systems.

X. COOPERATIVES.

10.1. Ministry of transportation (Marine administration, VTS, Varna Radio) – MSI.

10.2. MoD – Geospatial cooperation, Normative guiding documents.

10.3. BAS – Institute of Oceanology – Varna.

10.4. Taking part in an audit of Executive Directorate Maritime Administration.

XI. OTHERS.

11.1. 2018 – Bulgarian Navy Hydrographic service – become a full member of IHO.

11.2. 2023, 02 December - 140 Anniversary of Bulgarian Navy Hydrographic service.

