

**NATIONAL REPORT**  
**NAVY HYDROGRAPHIC SERVICE**  
BASWG 02 – 05 May 2018, Constanta, Romania

Period 2016-2017, incl. May 2018

Main points:

1. Hydrography
2. Cartography
3. MSI
4. Hydrology
5. Meteorology
6. AtoN
7. Certificates
8. Others

The Bulgarian Navy Hydrographic service has a new head from December 2016 – Captain (N) Ventseslav Gospodinov NIKOLOV.

BNHS has 2 hydrographic survey boats 100 tons each and 1 small survey boat 5.5 m with a new 10 hp motor (December 2017).

BNHS is in a planning process for modernization of its production and postprocessing software and hardware.

## 1. HYDROGRAPHY

During the last years hydrographic survey have been performed as follows:

- 1.1. Year 2016 a partial hydrographic survey of Burgaski zaliv was performed, scale 1:10 000.
- 1.2. Year 2017 a passage survey on shoal “Koketrays”, scale 1:10 000.
- 1.3. Year 2018 till May a partial hydrographic survey of Varnenski zaliv was performed, scale 1:10 000.

## 2. CARTOGRAPHY

- 2.1. Cartographic postprocessing of 1:100 000 scale’ charts is established of Bulgarian coast line. 2 charts of the “North region” are in the end of the production line.
- 2.2. Cartographic works in progress of the last of the port scale chart 1:10 000 is established.
- 2.3. Miscellaneous special type charts have done in a very small number of print copies – naval exercise purposes only.

### 3. MSI

- 3.1. Year 2016 420 Radio navigational warnings issued, app. 1/3 for a Naval exercises, all via Varna Radio on NAVTEX 518 kHz, web based in Bulgarian and English; 8 via web of Armada (Spain) for the Naval exercises only (Gunnery, Missal firing, etc.).
- 3.2. Year 2016 429 Radio navigational warnings issued, app. 1/3 for a Naval exercises, all via Varna Radio on NAVTEX 518 kHz, web based in Bulgarian and English; 8 via web of Armada (Spain) for the Naval exercises only (Gunnery, Missal firing, etc.).
- 3.3. Year 2016 31 NtM issued, on Bulgarian and English versions in 2 booklets, sent as a circular via e-mails to the Black sea region states and to Russian Federation, Germany and UKHO, to national addressees in Bulgarian as well.
- 3.4. Year 2017 14 NtM issued, on Bulgarian and English versions in 2 booklets, sent as a circular via e-mails to the Black sea region states and to Russian Federation, Germany and UKHO, to national addressees in Bulgarian as well.
- 3.5. Year 2018, 02 May 118 RNW.
- 3.6. During the 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. HYDROLOGY

Hydrology marine expeditions has been done as follows:

- 4.1. Year 2016 – January, February, March, April, June, July, August, September and October.
- 4.2. Year 2017 – February, April, May, June, August, October and November.
- 4.3. Year 2018, till May – March and April.

### 5. METEOROLOGY

- 5.1. Year 2016 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 5.2. Year 2017 – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 5.3. Year 2018, till May – daily prognosis – 24 h, 3-day, 5-day, monthly.
- 5.4. Delivered to the addressees by the established channels.

### 6. AIDS to NAVIGATION

- 6.1. Year 2016 – regular technical maintenance.
- 6.2. Year 2017 – regular technical maintenance.
- 6.3. Year 2018, till May – regular technical maintenance.
- 6.4. Planning of a modernization of the light sources and equipment.

## 7. CERTIFICATES

7.1. Year 2015 – November – 1 person Cat B, UKHO graduated.

7.2. Year 2016 – January – 1 person Cat B, UKHO graduated.

Many thanks to Adm. (R) M. Iptes, IHO Director for the efforts and cooperation a Cat B course to be delivered to people of the Hydrographic service.

## 8. OTHERS

The Bulgarian Government has accepted this year the IHO Convention so we the BNHS waiting for the further actions to become a full member of IHO soon.

Lt, Mladen Hristov  
Head of Cartographic section,  
Resp. for PC, ENC, NP, NtM, MSI