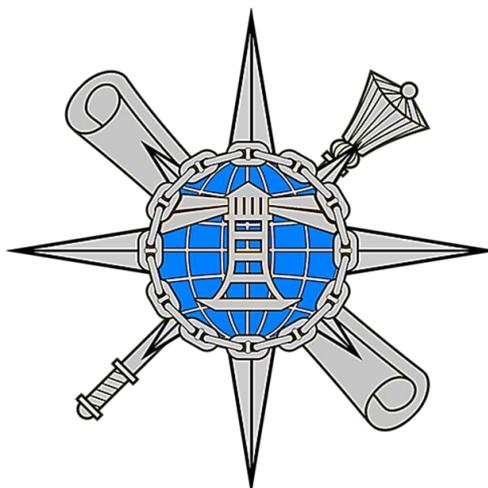


**DEPARTMENT OF NAVIGATION AND OCEANOGRAPHY  
MINISTRY OF DEFENSE OF THE RUSSIAN FEDERATION**

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**NATIONAL REPORT  
OF THE RUSSIAN FEDERATION**



**15-th MEETING of HYDROGRAPHIC COMMISSION on ANTARCTICA**

## **1. Hydrographic Office**

In accordance with the legislation of the Russian Federation, matters of navigational-and-hydrographic support of navigation in marine waters under national jurisdiction and in the high seas have been attributed to the competence of the Ministry of Defense and the Ministry of Transport of the Russian Federation.

In the Ministry of Defense of the Russian Federation, functions of planning and organization of navigational-and-hydrographic support of navigation in marine waters under national jurisdiction and in the high seas are entrusted to the Department of Navigation and Oceanography of the Russian Federation Ministry of Defense (hereinafter referred to as DNO of the RF MD).

DNO of the RF MD is in charge of the Hydrographic Office of the Navy of the Russian Federation (hereinafter referred to as HORF).

The basic activities of HORF:

carrying out of oceanographic, hydrographic and marine geophysical researches in marine waters under national jurisdiction of the Russian Federation and in the high seas;

edition of nautical charts, manuals and publications for all parts of the World Ocean and corresponding supply of mentioned products to Russian and foreign mariners;

collecting and making available for mariners information on changes in sailing conditions and regime of navigation in marine waters under national jurisdiction of the Russian Federation and in the high seas;

maintenance, improvement and development of aids to navigation in marine waters under national jurisdiction of the Russian Federation.

The HORF includes the DNO of the RF MD and the Charts Division of the Navy (both are based in St. Petersburg) and regional hydrographic services for the Northern, Pacific, Baltic Sea, Black Sea and Caspian Sea Regions.

Subdivisions of the regional hydrographic services include expeditions and parties, oceanographic and hydrographic vessels, carrying out hydrographic works, collecting and processing data.

## 2. Surveys

### 2.1 Coverage areas by new surveys

In period from 2013 to 2016, the research expeditionary vessel «Akademik Fedorov» ran a line of soundings along a track delivering loads and personnel of expeditions to Polar Antarctic Stations. In 2016, the research vessel «Admiral Vladimirskiy» surveyed in Prydz Bay and Lützow-Holm Bay.

### 2.2. New Technologies and/or equipment

For period since the last meeting of the Commission, new technologies and the equipment have not been used.

### 2.3 New vessels

The nuclear icebreaker «Sibir» was launched on 22 September, 2017. Commissioning is planned in 2021.



### **3. New charts and updates**

#### **3.1. Electronic Navigational Charts**

For period since the last meeting of the Commission, new data have not been brought.

#### **3.2. ENC distribution method**

Distribution of Electronic Navigational Charts is realized through the official distributor of cartographic products of the Hydrographic Office of the Russian Federation, namely: Regional Centres of ICA.

| Cell No         | Name<br>(Area)   | Scale<br>1: | Data of<br>The Edition |
|-----------------|--|-------------|------------------------|
| <b>RU1A2K00</b> | Indian Ocean The Antarctic Coast Sodruzhestva and Kosmonavts Seas  | 3 000 000   | 2011                   |
| <b>RU1B0PF0</b> | Indian Ocean The Antarctic Coast Mawson and Davis Seas   | 3 000 000   | 2011                   |
| <b>RU2ANEN0</b> | Atlantic Ocean The Antarctic Coast Weddell Sea Cabo Rol to Vahsel Bay  | 700 000     | 2011                   |
| <b>RU2A0I10</b> | Atlantic and Indian Oceans The Antarctic Coast Leningradskiy Gulf to Erskine Iceport                           | 700 000     | 2011                   |
| <b>RU2BNM40</b> | Indian Ocean The Antarctic Coast Kosmonavts Sea Cape Ann to Alasheyev Gulf                                     | 700 000     | 2011                   |
| <b>RU2BLQN0</b> | Indian Ocean The Antarctic Coast Davis Sea   | 700 000     | 2011                   |
| <b>RU2A2XI0</b> | Pacific Ocean The Antarctic Coast Cape North to Matusевич Glacier  | 700 000     | 2011                   |
| <b>RU2A1AD0</b> | Pacific Ocean The Antarctic Coast Lavoisier (Nansen) Island to Aleksandr I Island                              | 700 000     | 2011                   |
| <b>RU3A2J20</b> | Atlantic Ocean The Antarctic Coast Lazarev Sea Leningradskiy Gul and approaches                                | 180 000     | 2011                   |
| <b>RU3BKR40</b> | Indian Ocean The Antarctic Coast Davis Sea Approaches to scientific station Mirnyy                             | 180 000     | 2011                   |
| <b>RU3BNMF0</b> | Indian Ocean The Antarctic Coast Kosmonavts Sea Alasheyev Gulf   | 90 000      | 2011                   |
| <b>RU4BTXL0</b> | Pacific Ocean The Antarctic Coast Belousov Point To Terra Nova Islands   | 180 000     | 2011                   |
| <b>RU5BJR80</b> | Indian Ocean The Antarctic Coast Davis Sea Mirnyy Poads  | 12 000      | 2011                   |
| <b>RU5BNMH0</b> | Indian Ocean The Antarctic Coast Kosmonavts Sea Alasheyev Gulf Molodyozhnaya scientific station and approaches | 12 000      | 2011                   |
| <b>RU5BNMH1</b> | Indian Ocean The Antarctic Coast Kosmonavts Sea Alasheyev Gulf Freeth Bay E part                               | 8 000       | 2012                   |
| <b>RU5BNMH2</b> | Indian Ocean The Antarctic Coast Kosmonavts Sea Alasheyev Gulf From 46°01' E to Vyvodnoy Point                 | 8 000       | 2012                   |

### 3.3 RNC

The DNO of the RF MD does not distribute Raster Navigational Charts.

### 3.4 International Charts

For period since the last meeting of the Commission, new data have not become available.

### 3.5. National Paper Charts

DNO of the RF MD issued a collection of 92 National Paper Charts on the Water Area of Antarctic. The collection is maintained up-to-date using corrections and re-publishing of charts as new hydrographic data become available.

Electronic versions of Notices to Mariners editions and Navigational Warnings Bulletins in the format pdf are placed on official site of MD RF:

<http://structure.mil.ru/structure/forces/hydrographic/info/notices.htm>

**The Table No 2**

| Scale        | Number |
|--------------|--------|
| 1: 5 000 000 | 9      |
| 1: 2 000 000 | 12     |
| 1: 500 000   | 43     |
| 1: 250 000   | 2      |
| 1: 200 000   | 5      |
| 1: 100 000   | 2      |
| 1: 75 000    | 1      |
| 1: 50 000    | 5      |
| 1: 30 000    | 2      |
| 1: 25 000    | 1      |
| 1: 15 000    | 2      |
| 1: 12 500    | 1      |
| 1: 10 000    | 5      |
| 1: 7 500     | 1      |
| 1: 5 000     | 1      |

### 3.6 Printing System of On-demand Charts

Beginning from 2011, published nautical charts are distributed only by way of printing on- demand charts.

## **4. New publications and updates**

### 4.1 New publications

No information to include in the report.

### 4.2 Updated publications

Republishing of publications for the stated period was lacking.

### 4.3 Means of supply (e.g. paper, digital).

All publications are supplied on a paper basis.

## **5. Maritime Safety Information (MSI)**

### 5.1 Existing Infrastructure for Transmission

No information to include in the report.

5.2 New infrastructure to be created in accordance with the Master Plan for the World-Wide Navigational Warning Service (WWNWS).

The Ministry of Transport of the Russian Federation is made responsible for monitoring the implementation of the obligations to establish and operate the GMDSS, and inform the International Maritime Organization about radio communication facilities providing the GMDSS.

## **6. C-55**

No information to include in the report.

## **7. Capacity building**

No information to include in the report.

## **8. Oceanographic activities**

In November 2018, the research expeditionary vessel «Akademik Fedorov» will leave the Port of St-Petersburg for voyage on the program of the 64th Russian Antarctic Expedition

### **The research expeditionary vessel «Akademik Fedorov»**



## **9. Other activities**

No information to include in the report.

## **10 . Conclusions**

The present report reflects the activity results of the Hydrographic Office of the Navy of the Russian Federation for the period since the last meeting of the Commission.

### **Contacts:**

telephone/fax: +7 812 323 75 48

fax: +7 812 323 70 29

e-mail: [unio@mil.ru](mailto:unio@mil.ru)

[unio\\_navarea@mil.ru](mailto:unio_navarea@mil.ru)

website: <http://structure.mil.ru/structure/forces/hydrographic/about.htm>

(NtMs are available in English)

address: 8, 11 Liniya, St.-Petersburg, 199034