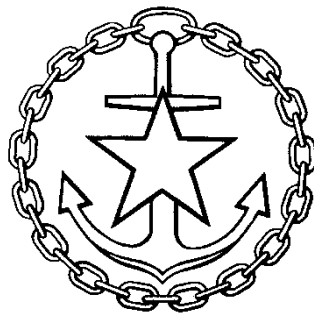


DEPARTMENT OF NAVIGATION AND OCEANOGRAPHY
MINISTRY OF DEFENSE OF THE RUSSIAN FEDERATION

NATIONAL REPORT
OF THE RUSSIAN FEDERATION



4-th MEETING of ARCTIC REGIONAL HYDROGRAPHIC COMISSION

USA, Portsmouth, 29-30 January 2014

The present report reflects activity results of the Hydrographic Office of the Russian Federation since the last submission of the national report at the 3-rd meeting of ARHC, October, 2012, Tromsø.

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, except for the tracks of the Northern Sea Route, have been attributed to the competence of 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 is entrusted to the Department of Navigation and Oceanography of the Russian Federation Ministry of Defense (abbreviated DNO of the RF MD).

Department of Navigation and Oceanography is an organization authorized by the Ministry of Defense of the Russian Federation, and it represents the State in civil legal relations arising in the field of navigational and hydrographic support of navigation. It is in charge of the Hydrographic Office of the Navy.

The basic directions of activity of the Hydrographic Office of the Navy are:

- oceanographic, hydrographic and marine geophysical researches in maritime waters under national jurisdiction and in the high sea;
- 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 maritime waters under national jurisdiction and in the high seas;
- maintenance, improvement and development of aids to navigation in the seas along the coast and in marine waters under national jurisdiction of the Russian Federation, with the exception of the tracks of the Northern Sea Route.

Hydrographic Office of the Navy consists of units based in St. Petersburg, and regional hydrographic services for the Northern, Pacific, Baltic, Black Sea and Caspian Sea Regions.

Subdivisions of regional hydrographic services: expeditions, hydrographic groups and parties directly carry out totality of oceanographic, hydrographic and geophysical works, produce processing and transmitting of the materials to the Charts Division of the Navy.

Hydrographic Office of the Navy participates in joint, including international, oceanographic and hydrographic expeditions.

Department of Navigation and Oceanography directs preparation and edition of new navigational charts, manuals and publications and reissue of existing ones.

Direct preparation and edition of charts, manuals and publications are realized in the Charts Division of the Navy. Materials of hydrographic research carried out by regional hydrographic services, as well as contributions from interagency cooperation to hydrographic researches, serve as a base for edition of charts and books.

2. Surveys

2.1. Areas of Coverage by New Surveys

For period since the last meeting of the Commission, new data has not been received.

2.2.1. New Technologies and/or Equipment

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

2.2.2. New Vessels

For period since the last meeting of the Commission, new vessels have not been put into service.

3. New Charts and Updates

3.1. Electronic Navigational Charts

Shown schematically on Fig.1.

List of new electronic navigational charts, 2012-2013

Table 1

No	Cell No	Chart Title	Scale 1:	Year of publishing
1	RU2P9SO9	Laptev Sea. Faddey Islands to Olenyokskiy Gulf	700 000	2012
2	RU4OOL09	Barents Sea. Murmanskiiy Coast. Korabel'naya Pakhta Point to Chyornyy Point	45 000	2012
3	RU4OPLM9	Barents Sea. Murmanskiiy Coast. Semiostrovskiiy Roads to Belyy Point.	45 000	2012
4	RU3ONLN0	Barents and White Seas 38 00 E to Lumbovskiiy Gulf	180 000	2013

List of New Editions of Electronic Navigational Charts, 2012 -2013

Table 2

No	Cell No	Chart Title	Scale 1:	Year	Edition No
1	RU2P9RI9	Kara and Laptev Seas with Vil'kitskiy Strait	700 000	2012	2-nd

3.2. Method of ENC Distribution

Merchandising of electronic navigational charts is carried out through the official distributor of cartographic products of Hydrographic Office of the Russian Federation in frames of the standard S-63.

3.3. Raster Navigational Charts (RNCs)

DNO of the RF MD does not distribute RNCs.

3.4. International Charts.

INT charts at the moment are not produced.

3.5. National Paper Charts.

DNO of the RF MD issued 981 nautical charts on Arctic waters under jurisdiction of Russia. Scale row is shown in table 1. The collection is

maintained up-to-date using correction and re-publishing of charts as new hydrographic data become available.

Table 3

1:2 500 000	1
1:2 000 000	7
1:500 000	42
1:200 000	110
1:100 000	212
Larger than 1:100 000	719

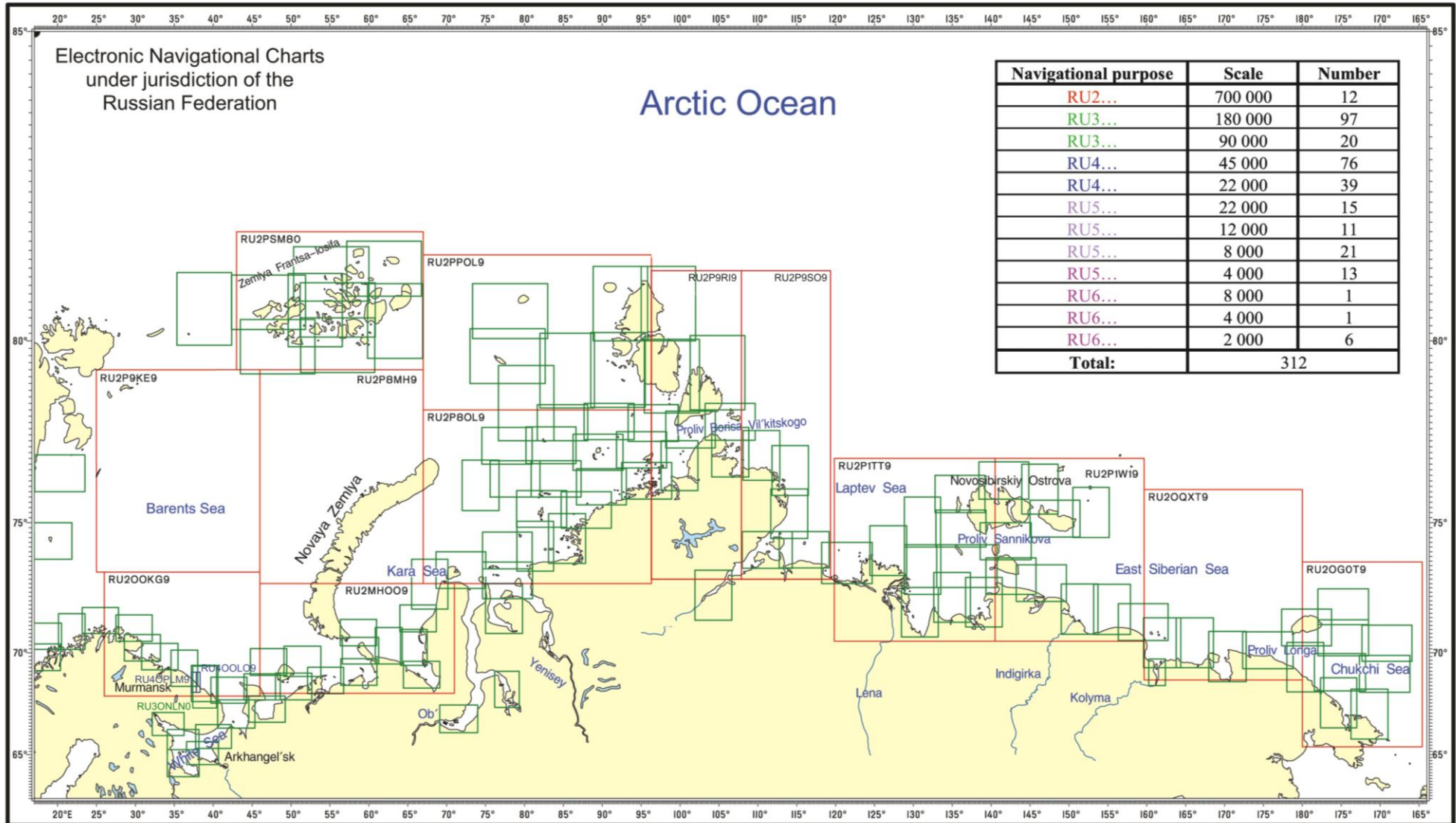


Fig. 1

3.6 Printing System of On-demand Charts

Beginning from 2011, nautical charts are distributed by way of printing on-demand charts. At present, the base of on-demand charts contains more than 500 nautical charts.

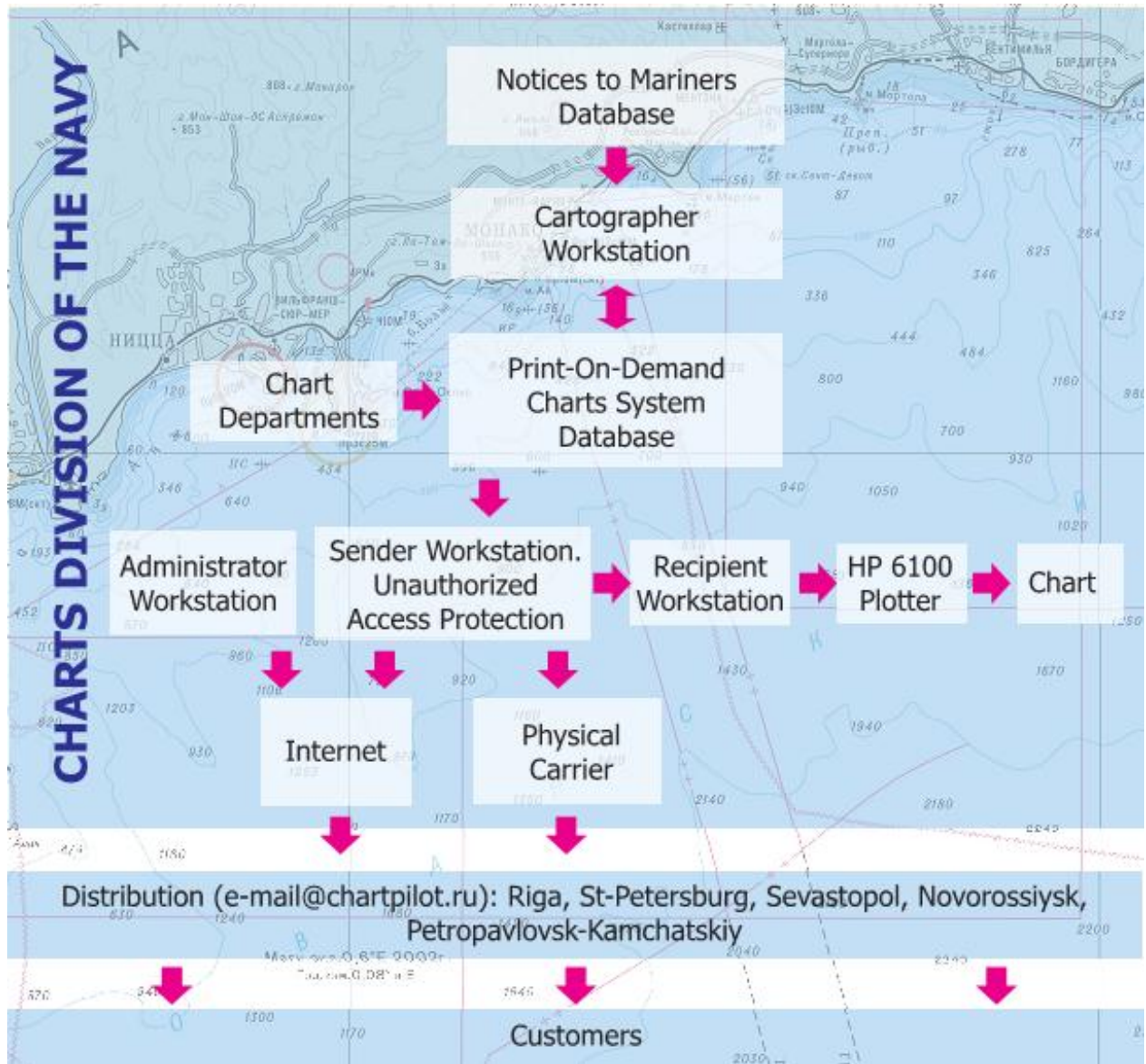


Fig. 2

4. New publications and updates.

4.1. New Publications.

For period since the last meeting of the Commission, new publications have not been issued.

4.2. Updated Publications.

Issued publications are updated from NtMs of DNO of the RF MD.

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

Within the framework of the World-Wide Navigational Warning Service (WWNWS), the Russian Federation collects and makes available to mariners information on changes in sailing conditions and regime of navigation, including:

- for WWNWS Areas 20 and 21 in the form of warnings, NAVAREAs XX and XXI;
- for broadcasting areas of coastal warnings in the form of Coastal Warnings for Areas of ARKHANGEL'SK, MURMANSK, EAST (Eastern Part of the Northern Sea Route), WEST (Western Part of the Northern Sea Route).

5.2. Promulgation of Navigational Warnings in the Arctic Seas

The national coordinators of MSI promulgation in the Arctic Seas are Denmark (Greenland), Canada, Norway, the Russian Federation and the United States.

Transmission of MSI by National HS is carried out over four regions of coastal warnings:

- Murmansk CW Region (Southern Part of the Barents Sea) which is the area of responsibility of HS NF;
- Arkhangel'sk CW Region (White Sea) which is the area of responsibility of HS NF;
- West CW Region (Southern Parts of Kara and Laptev Seas, westward of meridian 125° E) which is the area of responsibility of Federal State Unitary Enterprise (FSUE) "Hydrographic Department" of Ministry of Transport;

- East CW Region (Southern Parts of Laptev, eastward of meridian 125° E, East Siberian and Chukchi Seas) which is the area of responsibility of FSUE "Hydrographic Department" of Ministry of Transport.

Coordinator of WNWNS areas NAVAREA XX and XXI (Arctic sector from meridian 30° E to meridian 168° W) is FSUE "Hydrographic Department" of Ministry of Transport.

Russian NAVTEX Stations in the Arctic Seas

Table 4

Murmansk	K	68°46.0'N 032°58.0'E	Operational
Arkhangel'sk	L	64°51.0'N 040°17.0'E	Operational
Mys Tonkiy	M	69°51.4'N 061°06.4'E	Planned
Ostrov Bol'shoy Medvezhiy	N	73°31.0'N 080°09.6'E	Planned
Mys Sterlegova	O	75°23.6'N 088°45.3'E	Planned
Ostrov Andreyka	P	76°46.7'N 110°45.4'E	Planned
Tiksi	Q	71°38.0'N 128°50.0'E	Operational
Ostrov Kotel'nyy	R	75°59.5'N 137°52.3'E	Planned
Reka Indigirka	S	71°16.4'N 150°17.1'E	Planned
Yanrangay	T	70°07.3'N 170°32.6'E	Planned
Mys Shmidta	U	68°55.9'N 179°29.8'W	Planned



Fig. 3

Number of Announced Coastal Warnings for Three Years

Table 5

CW Region	2011	2012	2013
CW Murmansk	344	285	297
CW Arkhangel'sk	76	94	84
CW West	85	138	141
CW East	56	97	89

For period since the last meeting of the Commission there were not any changes in the Structure in accord with Master Plan.

6. S-55.

No information to include in the report.

7. Capacity-building.

No information to include in the report.

8. Oceanographic Activities.

No information to include in the report.

9. Other Activities.

No information to include in the report.

10. Conclusion.

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

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