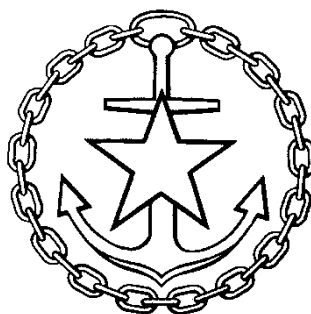


**DEPARTMENT OF NAVIGATION AND OCEANOGRAPHY  
OF THE MINISTRY OF DEFENSE OF THE RUSSIAN FEDERATION**

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**NATIONAL REPORT  
OF THE RUSSIAN FEDERATION**



**25<sup>ND</sup> MEETING OF BALTIC SEA  
HYDROGRAPHIC COMMISSION**

**online, 22 September, 2020**

## **1. Hydrographic office**

In accordance with the legislation of the Russian Federation matters of nautical and hydrographic services for the purpose of aiding navigation in the water areas of the national jurisdiction except the water area of the Northern Sea Route and in the high sea are carried to competence of the Ministry of Defense of the Russian Federation.

Planning, management and administration in nautical and hydrographic services for the purpose of aiding navigation in the water areas of the national jurisdiction except the water area of the Northern Sea Route and in the high sea are carried to competence of the Department of Navigation and Oceanography of the Ministry of Defense of the Russian Federation (further in the text - DNO).

The DNO is authorized by the Ministry of Defense of the Russian Federation to represent the State in civil law relations arising in the field of nautical and hydrographic services for the purpose of aiding navigation. It is in charge of the Hydrographic office of the Navy – the National Hydrographic office of the Russian Federation.

The main activities of the Hydrographic office of the Navy are the following:

- to carry out the hydrographic surveys adequate to the requirements of safe navigation in the water areas of the national jurisdiction and in the high sea;

- to prepare and issue nautical charts, sailing directions, lists of lights, tide tables and other nautical publications, satisfying the needs of safe navigation in the water areas of the national jurisdiction and in the high sea;

- to promulgate notices to mariners in order that nautical charts and publications are kept up to date;

- to provide such aids to navigation as the volume of traffic justifies and the degree of risk requires in the water areas of the national jurisdiction and in the high sea and to arrange for information relating to aids to navigation to be made available to all concerned;

- to provide the nautical charts, sailing directions and other nautical publications to Russian and foreign mariners.

The Hydrographic office of the Navy includes the DNO and the Naval Chart Division situated in Saint Petersburg and the regional hydrographic divisions for the Arctic, Pacific, Baltic Sea, Black Sea and Caspian Sea regions.

The regional hydrographic divisions include oceanographic and hydrographic survey vessels and hydrographic survey divisions carrying out hydrographic surveys and collecting and hydrographic data processing.

## 2. Surveys

### 2.1. Areas of a coverage by new surveys

**Table 1**

**The list of hydrographic survey**

Item №	Area of survey	Kind of survey	Date of new survey	Scale	Scope of survey	
					sq. km	l. km
1	2	3	4	5	6	7
<b>Baltic Sea</b>						
1	Area of Reka Malaya Nevka Mouth Water Area of the St. Petersburg yacht club of labor unions	Area survey	2018 2019	1:500	0.16	
2	Approach Fairway of Saymenskiy Canal from Mariankivi Beacon to Brusnichnoye Lock	Area survey	2019	1:1 000	1,78	0.036- Topo graphic
3	Luzhskaya Guba Water Area of the Spoil Ground №308	Area survey	2019	1:5 000	7,2	
4	Gulf of Finland Water Area of the Spoil Ground №301	Area survey Sounding	2019	1:5 000	1,32	7,8 Sounding
5	Navigable way Ostrov Hally to Water areas of the Unloading and Transshipment Complex – Vysotsk «Lukoil II»	Area survey	2019	1:2 000	42,04	

6	Bukhta Portovaya The water area of a complex on production, storage and shipment of the liquefied natural gas around compressor station «Portovaya» Sea water intake of plant of the liquefied natural gas	Area survey Sounding Topographic survey	2019	1:5 00	0,017	5 Sounding 0,39 Topo graphic
7	Bukhta Dal'nyaya The water area of a complex on production, storage and shipment of the liquefied natural gas around compressor station «Portovaya» Water area of the area anchorage №18Ж	Area survey Sounding Topographic survey	2019	1:2 000	16,96 0,4 Topo graphic	228,2 Sounding

## The scheme of hydrographic survey

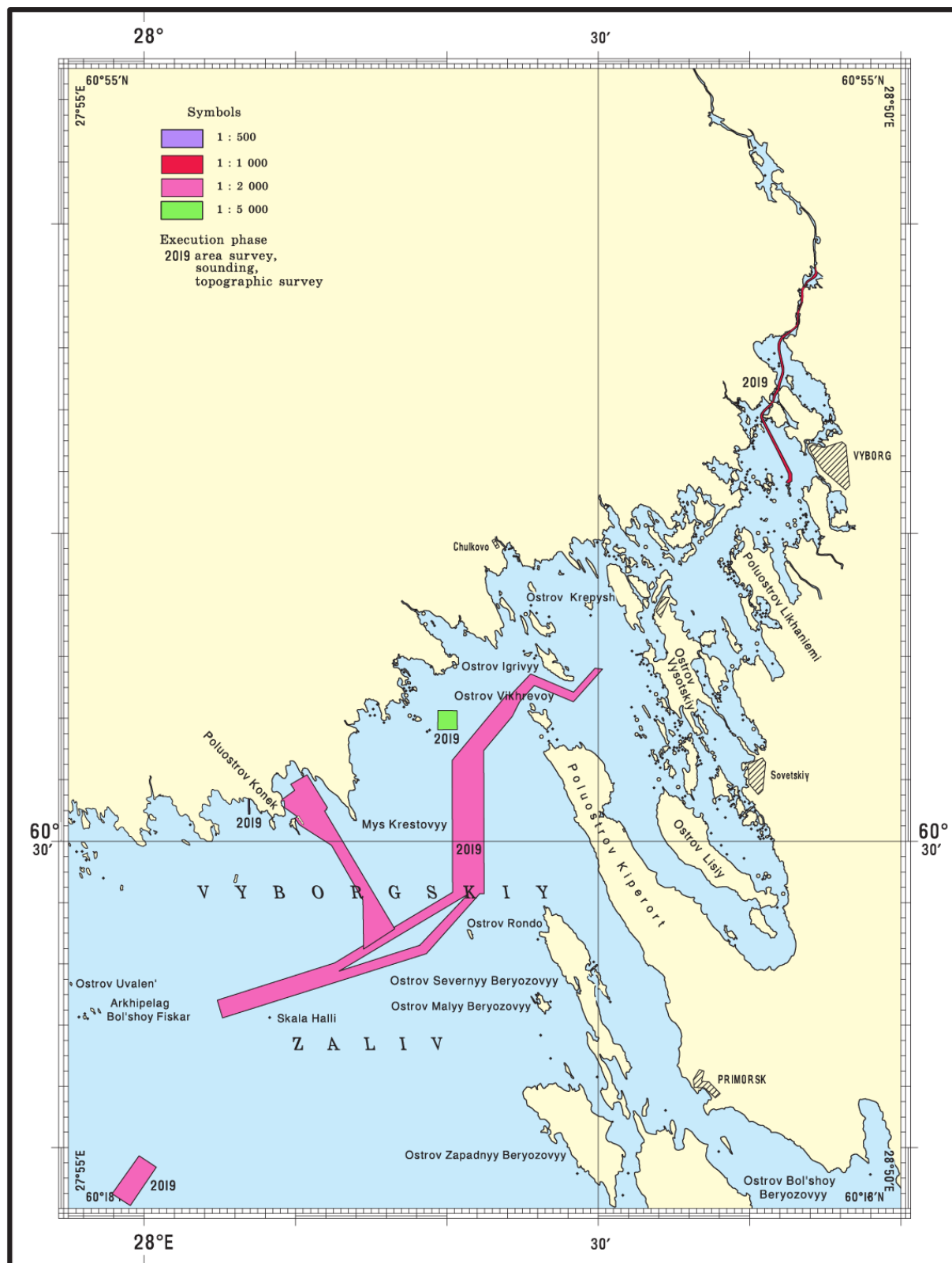


Fig. 1

## The scheme of hydrographic survey

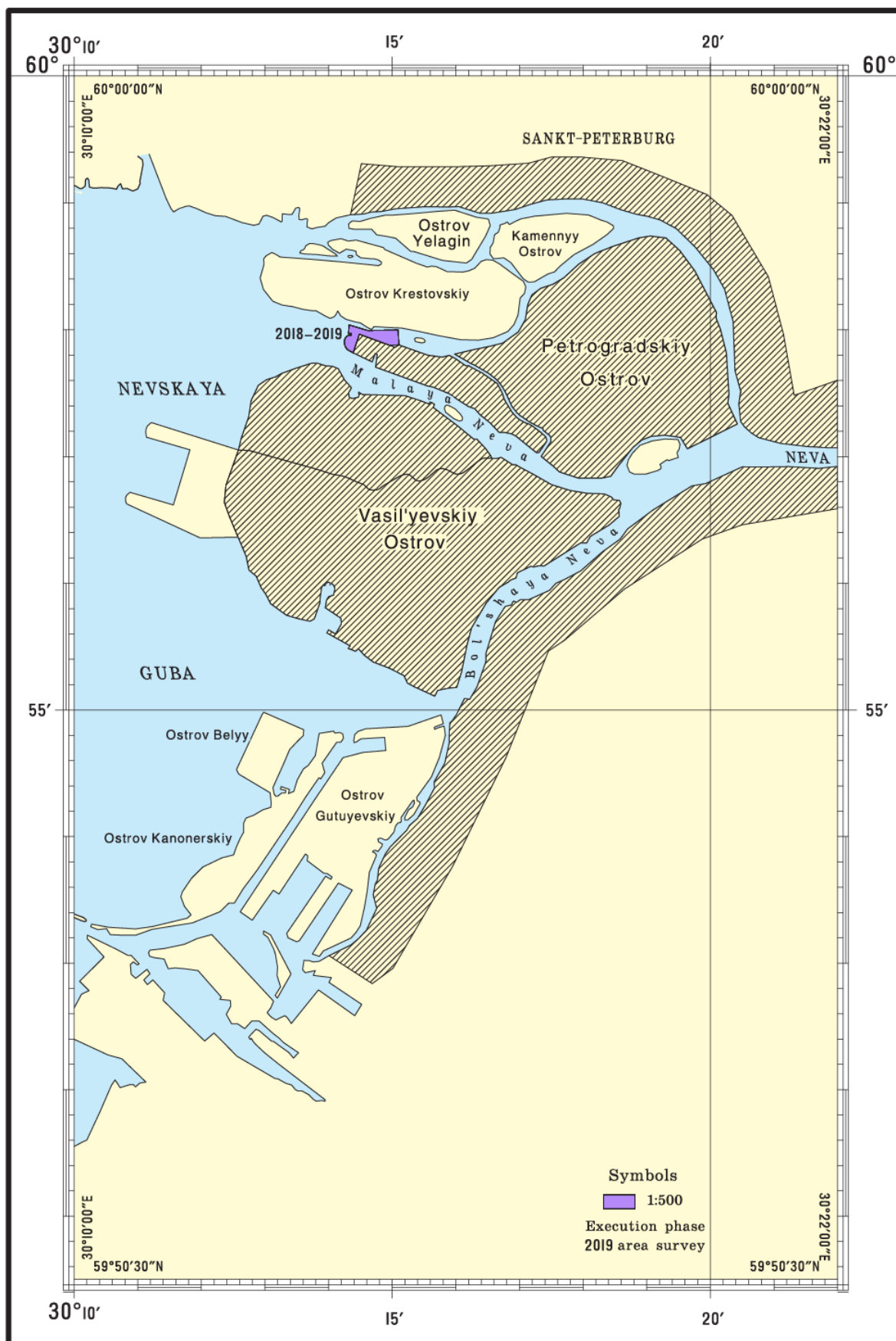


Fig. 2

# The scheme of hydrographic survey

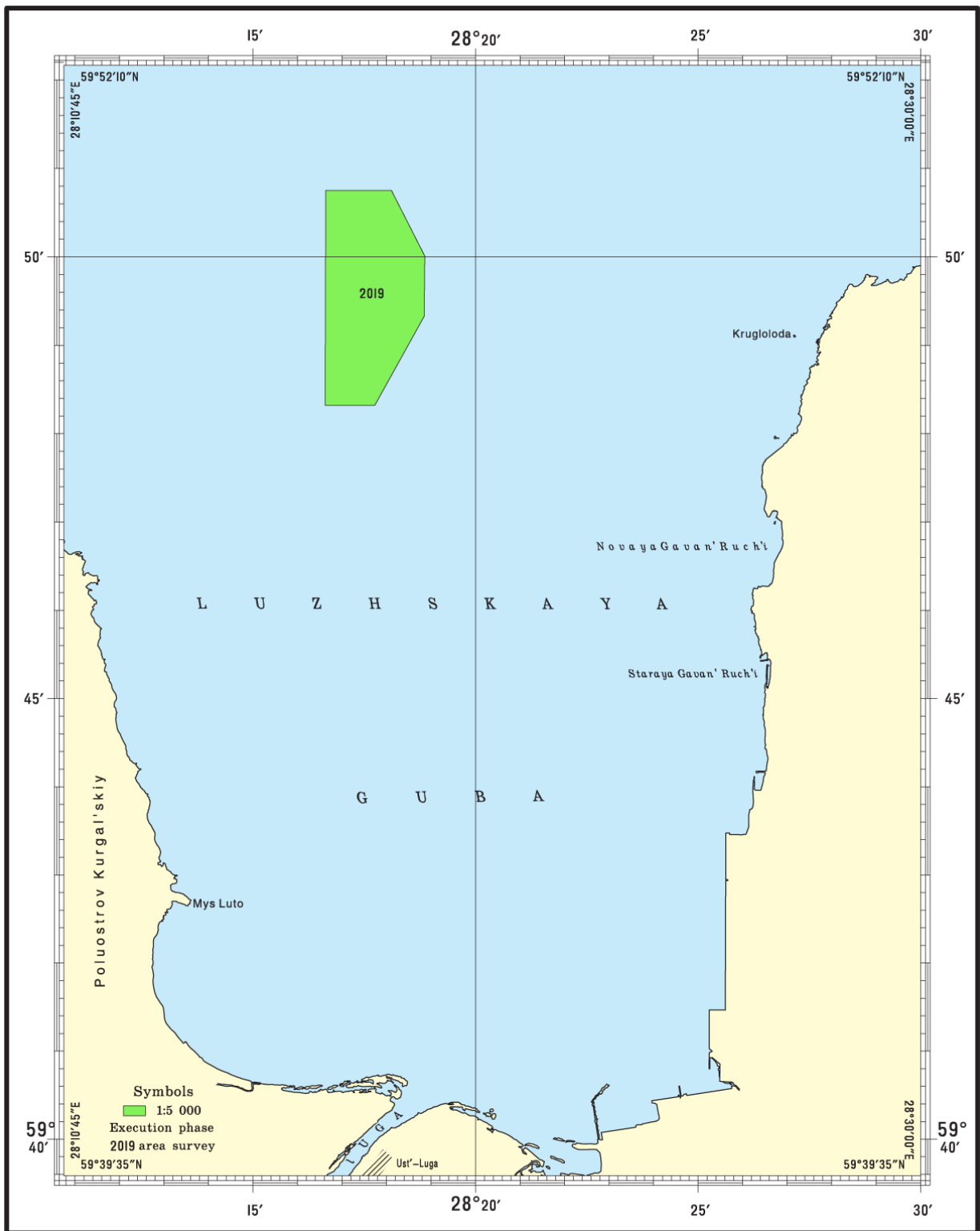


Fig. 3

## 2.2 New technologies and/or equipment

For the period, which passed from last meeting of the commission, new technologies and the equipment, have not been used.

## 2.3 New vessels

For the period, which passed from last meeting of the commission, new survey vessels have not been entered.

## 3. New charts and updates

### 3.1. Electronic navigational charts

**Table 2**

**The list of electronic navigation charts**

<b>Item №</b>	<b>Cell №</b>	<b>Name of the area</b>	<b>Scale</b>	<b>Date of new edition</b>
1.	RU4NTKK9	Baltic Sea Gulf of Finland Gogland Island to Malyy Island	1:45 000	2020
2.	RU4NTKO9	Baltic Sea Gulf of Finland Luzhskaya Inlet to Ustinskiy Point	1:45 000	2020
3.	RU4NTKO8	Baltic Sea Gulf of Finland Seskar Island to Stirsudden Point	1:45 000	2020



# The scheme of electronic navigational charts

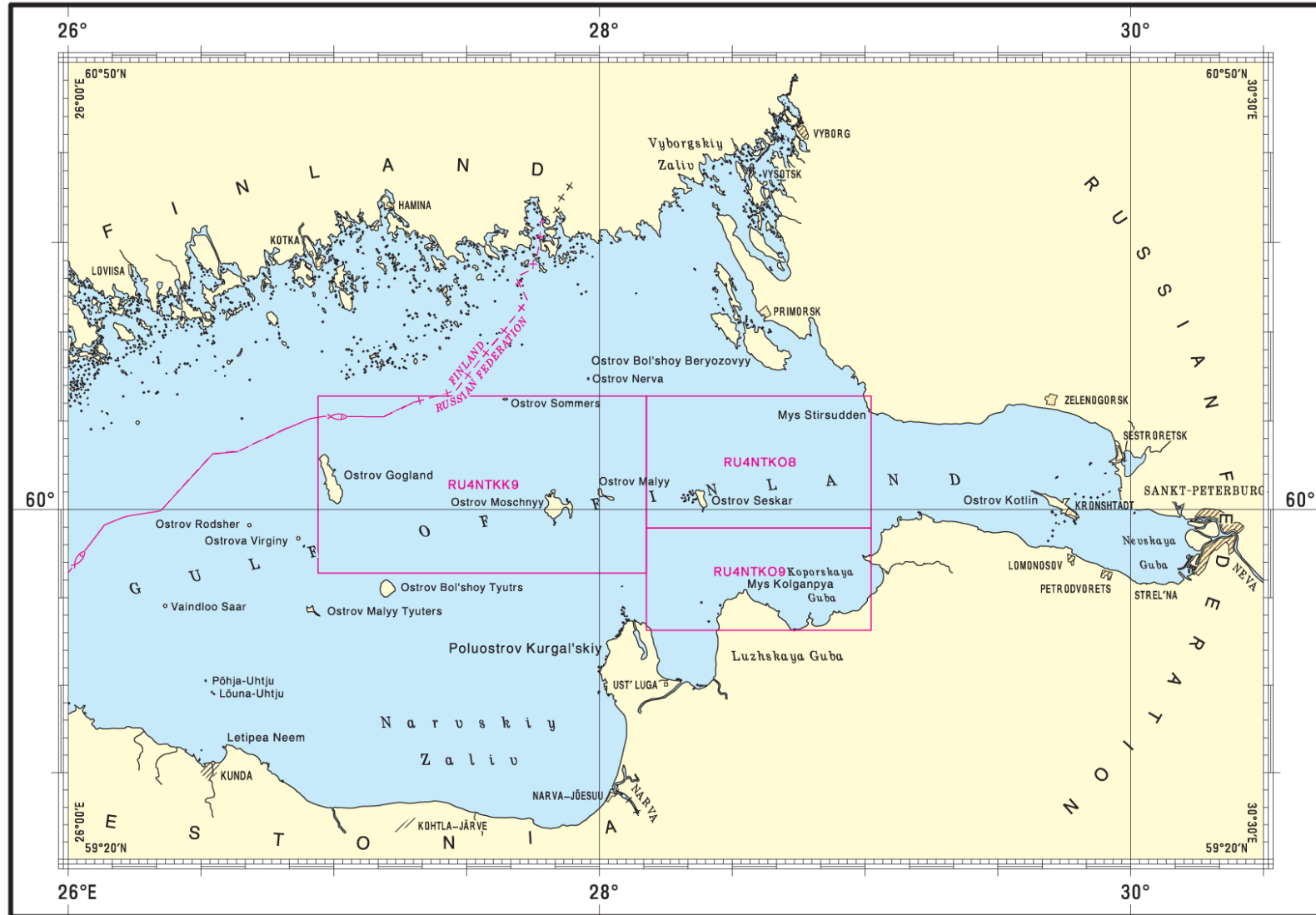


Fig. 4

### 3.2. Method of distribution of electronic navigational charts (ENCs)

The ENCs are distributed through the official distributor of cartographic products of the National Hydrographic Service of the Russian Federation.

### 3.3. Raster navigational charts (RNCs)

The DNO does not distribute RNCs.

### 3.4. International charts (INT)

The DNO within the Baltic Sea Hydrographic Commission publishes charts with a letter of «INT».

**Table 3**

**The list of the international charts**

<b>Item №</b>	<b>INT-charts №</b>	<b>RF-charts №</b>	<b>Chart name</b>	<b>Scale</b>	<b>Date of new edition</b>
1.	1258	28008	Baltic Sea Vyborgskiy Zaliv Povorotnyy Lighthouse to Ostrov Malyy Vysotskiy	1:10 000	2019
2.	1259	28010	Baltic Sea Vyborgskiy Zaliv Approaches to Saymenskiy Kanal Dubovyy Light-beacon to Ostrov Lavola	1:12 500	2019
3.	1260	28011	Baltic Sea Vyborgskiy Zaliv Approaches to Saymenskiy Kanal Bukhta Zashchitnaya to Shlyuz Brusnichnoye	1: 5 000	2019

## The scheme of the international charts

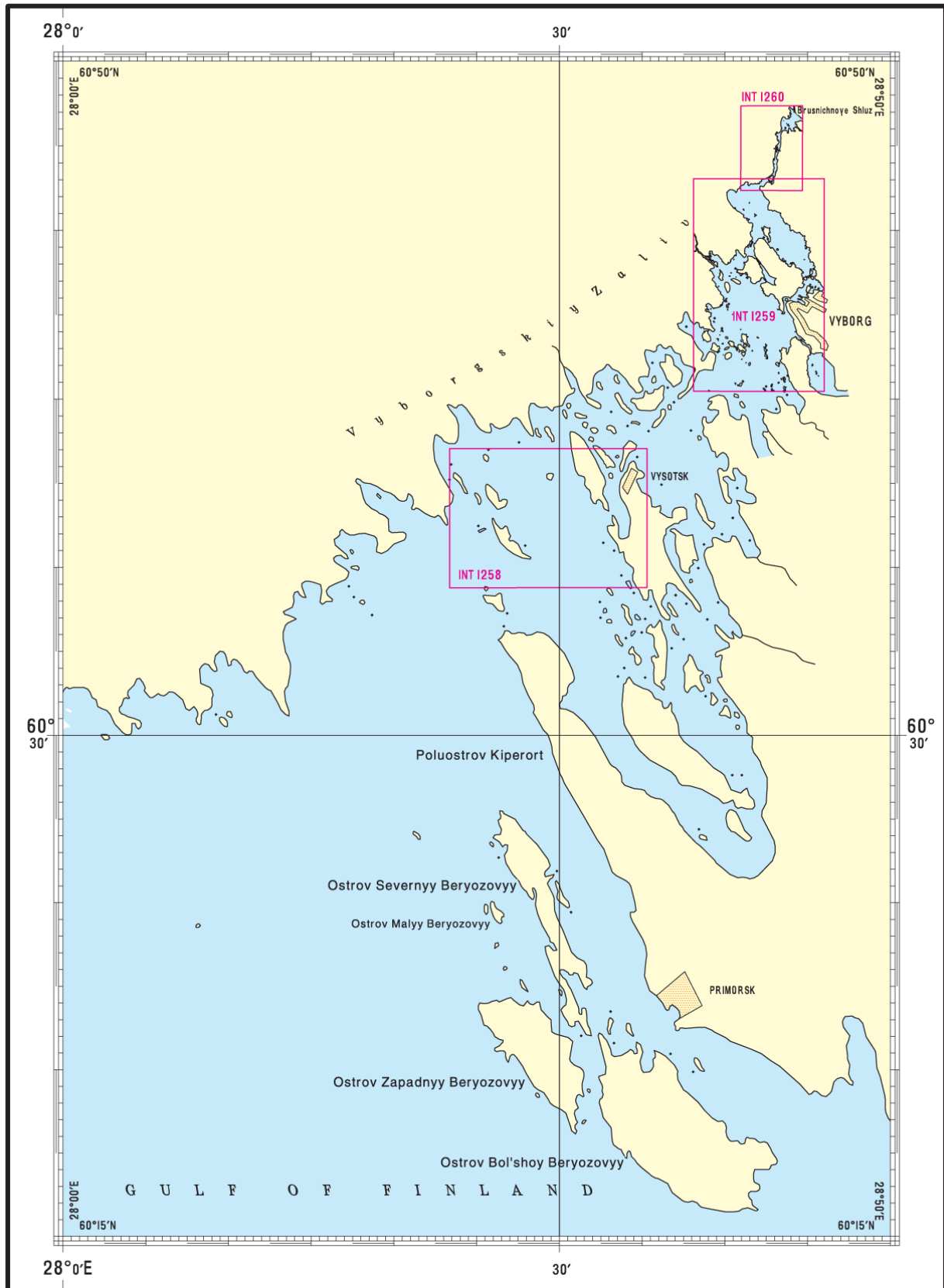


Fig. 5

### 3.5. National paper charts

DNO is published the collection consisting of 80 paper charts on the water area of the Baltic Sea. The collection is supported at the level up-to-date by means of updates and re-publishing in process of obtaining of new hydrographic data.

Electronic versions of releases of Notices to mariners and Bulletins of navigation warnings in a format pdf are available on the official website of the National Hydrographic office of the Russian Federation:

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

**Table 4**

**The list of the national paper charts**

<b>Item №</b>	<b>Adm. №</b>	<b>Name of the area</b>	<b>Scale</b>	<b>Date of new edition</b>
1.	25054	Baltic Sea Gulf of Finland Ostrov Seskar to Ostrov Moshchnyy	1:50 000	2019
2.	23004	Baltic Sea Gulf of Finland Sommers Lighthouse to Tiiskeri (Digskär) Light-structure	1:100 000	2018
3.	25044	Baltic Sea South Part South Part of Kurshskiy Zaliv	1:50 000	2018
4.	25045	Baltic Sea South Part North Part of Kurshskiy Zaliv	1:50 000	2018
5.	27037	Baltic Sea Gulf of Finland Approaches to the Mouth of Reka Narva	1:25 000	2018
6.	27053	Baltic Sea Gulf of Finland Luzhskaya Guba Port of Ust'-Luga	1:10 000	2018

**Table 5**

<b>Scale</b>	<b>National charts</b>	<b>International charts</b>	<b>Σ</b>
1:2 000 000	1	-	1
1:100 000 – 1:500 000	12	2	14
>1:25 000 – <1:100 000	13	2	15
1:2 000 – 1:25 000	35	15	50
Σ	61	19	80

### The scheme of the national paper charts

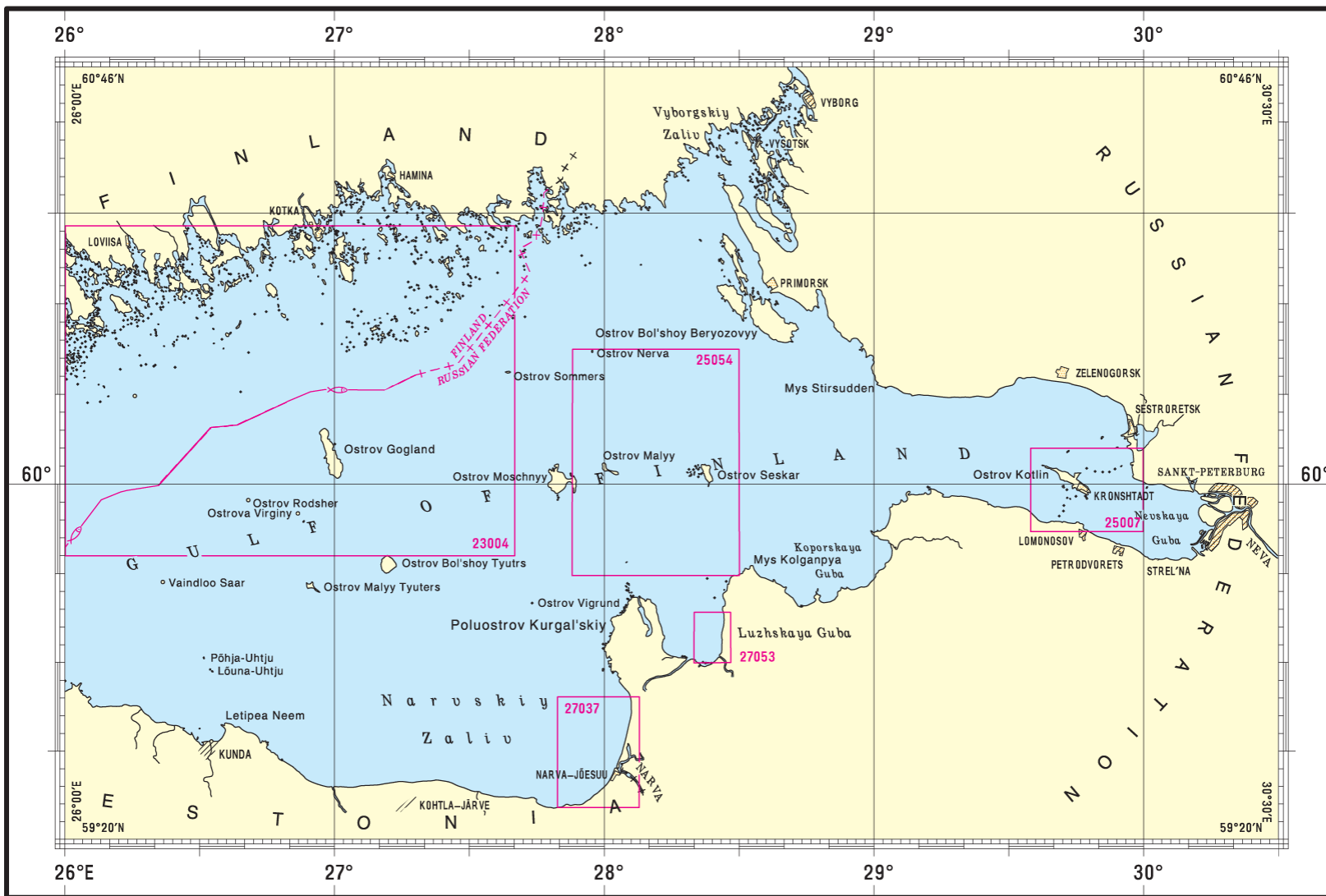


Fig. 6

# The scheme of the national paper charts

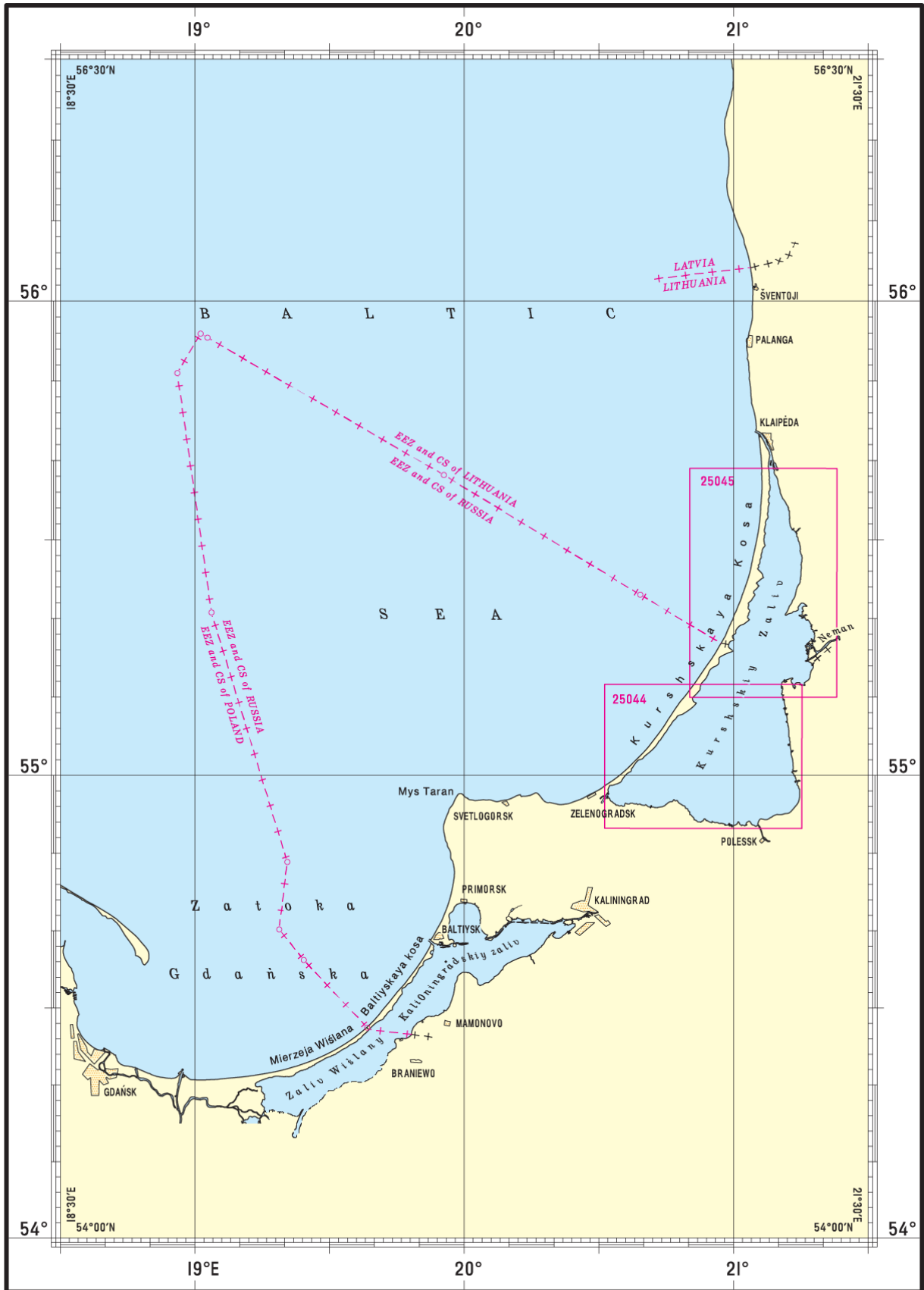
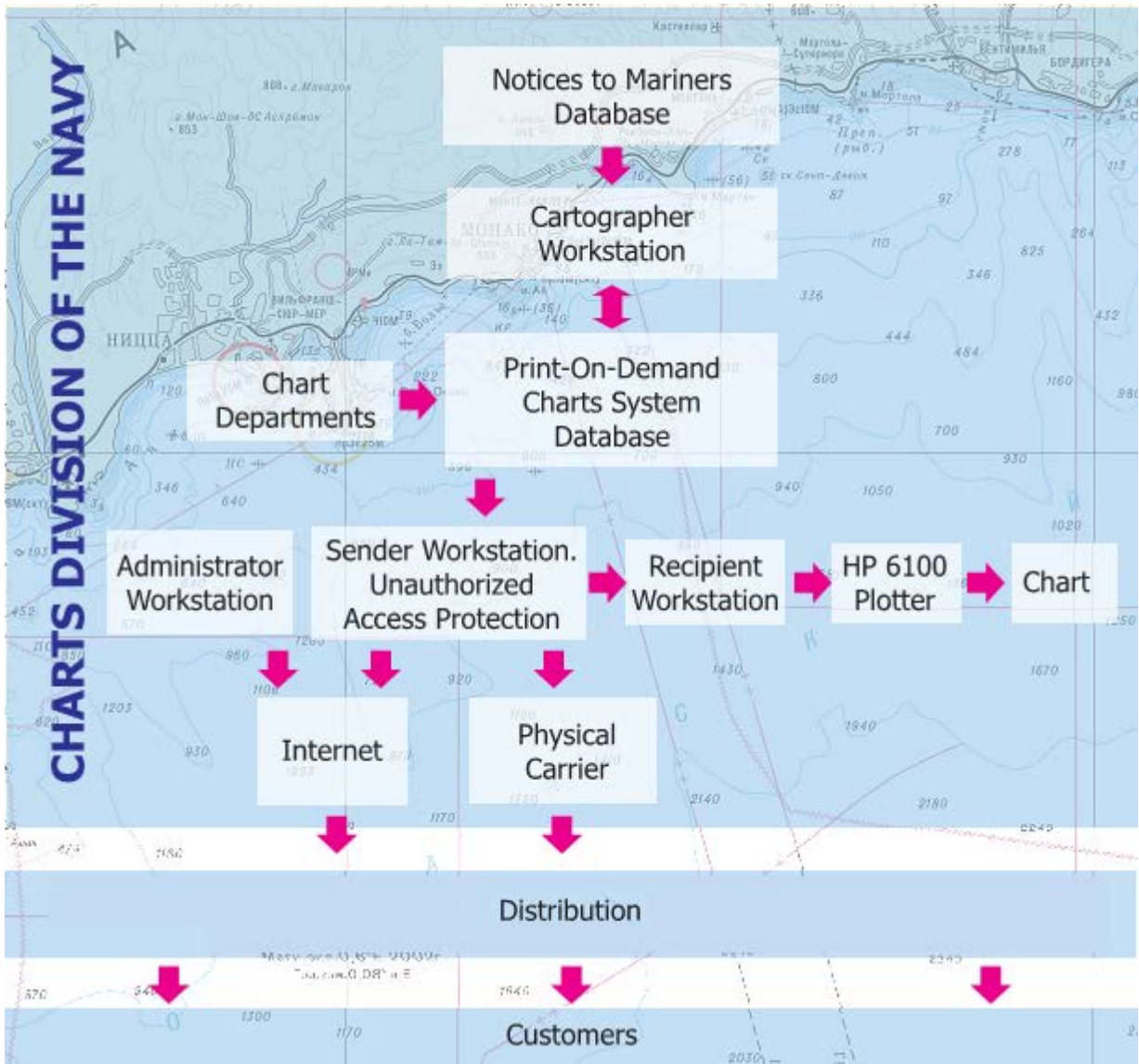


Fig. 7

### 3.6. Charts of system of the print-on-demand

Since 2011, the nautical charts are being published with the print-on-demand charts system. The present day database of print-on-demand nautical charts contains more than 4342 charts.

**Scheme of charts of system of the print-on-demand**



**Fig. 8**

#### 4. New publications and updates

##### 4.1. New publications

**Table 6**

<b>Item №</b>	<b>Adm. №</b>	<b>Name</b>	<b>Date of new edition</b>
1.	2205	Lights of the southern coast of the Scandinavian Peninsula, Sound, Store Bælt, Lille Bælt, Kattegat and internal waterway of Sweden	2019

##### 4.2. Updated publications

Issued publications are updated through the DNO Notices to Mariners.

##### 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

Obligations for distribution of the Russian navigational warning service in a responsibility zone on the Baltic Sea are assigned to Hydrographic office of the Baltic fleet.

The Russian Federation provides providing navigation information on two coastal regions:

region of Coastal Warnings Petersburg (East part of the Gulf of Finland);

region of Coastal Warnings Kaliningrad (Southeast part of the Baltic Sea).

Transfer of the Coastal Warnings in NAVTEX system is being carried out:

Coastal Warnings Petersburg- station Tallinn (Estonia);

Coastal Warnings Kaliningrad- station Gislövshammar NAVTEX (Sweden).

Coordinating of process is carried out by the coordinator of a sub district of the World Wide Navigational Warning Service (WWNWS) of the Baltic Sea (Sweden).



## The region of the announcement coastal warnings



Fig. 9

Table 7

## Number of the announced coastal warnings

Region	2017	2018	2019
CW Petersburg	432	404	449
CW Kaliningrad	360	429	421

## 5.2. New infrastructure according to the Master plan of the Global Maritime Distress and Safety System (GMDSS)

Control, over the implementation of obligations for creation and functioning of GMDSS and informing International Hydrographic Organization on the means of a radio communication providing GMDSS it is assigned to the Ministry of Transport of the Russian Federation.

## 5.3. The arisen problems

Absence of own Russian stations NAVTEX on the Baltic Sea.

## 6. S-55

### 6.1. Latest updates

The Russian Federation Water Area in Baltic Sea – 23 460 sq. km

Depths < 200 m - 23 460 sq. km

East Part of the Gulf of Finland – 11 990 sq. km

South-East Part of the Baltic Sea – 11 470 sq. km

**Table 8**

### Survey coverage

<b>Depths Range</b>	<b>Sufficiently surveyed areas</b>	<b>Areas requiring re-survey</b>	<b>Areas which were never surveyed systematically</b>
Depths < 200 m	99,7%	0,3%	-
Depths > 200 m	-	-	-

## 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 office of the Russian Federation during the period since the last meeting of the Commission.

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