

**THE GOVERNMENT OF THE RUSSIAN FEDERATION**

**RESOLUTION**

**dated September the 18th, 2020 No. 1487**

**ABOUT THE APPROVAL OF THE RULES OF  
NAVIGATION IN THE WATER AREA OF THE NORTHERN SEA  
ROUTE**

In accordance with paragraph 2 of Article 5.1 of the Merchant Shipping Code of the Russian Federation, the Government of the Russian Federation decides:

1. Approve the attached Rules for navigation in the waters of the Northern Sea Route.
2. This resolution is valid until March the 1st, 2028.

The Prime Minister of  
The Russian Federation  
M. MISHUSTIN

Approved by  
The Government Decree  
Of the Russian Federation  
dated September the 18th, 2020 No. 1487

## **RULES OF NAVIGATION IN THE WATER AREA OF THE NORTHERN SEA ROUTE**

### **I. General provisions**

1. These Rules are applied to ensure the safety of navigation, as well as to prevent, reduce and control pollution of the marine environment from ships and contain:

a) the procedure for organizing the navigation of ships in the waters of the Northern Sea Route;

a1) the procedure for issuing certificates of the right to ice pilotage of ships in the water area of the Northern Sea Route (hereinafter referred to as the certificate of the right to ice pilotage);

b) regulations on navigational and hydrographic support for navigation of ships in the waters of the Northern Sea Route;

c) other provisions relating to the organization of navigation of vessels in the water area of the Northern Sea Route.

### **II. The procedure for organizing the navigation of ships in the water area Northern Sea Route**

2. The navigation of vessels in the water area of the Northern Sea Route is organized by the State Atomic Energy Corporation Rosatom (hereinafter referred to as the State Corporation Rosatom) in accordance with paragraph 3 of Article 5.1 of the Merchant Shipping Code of the Russian Federation in the manner prescribed by this section.

The State Corporation Rosatom or its subordinate organization (hereinafter referred to as the authorized body) provides for the organization of icebreaking assistance to ships and escort of ships along the navigation routes of ships in the

waters of the Northern Sea Route, and also develops navigation routes for ships and arranges the ships of the icebreaking fleet in the waters of the Northern Sea Route from taking into account the hydrometeorological, ice and navigation conditions in the specified water area.

3. In the water area of the Northern Sea Route, there is a permissive procedure for navigation of ships.

A vessel, the permit for navigation in the water area of the Northern Sea Route (hereinafter referred to as a permit) of which has not been obtained in the manner provided for in this Section may not enter the water area of the Northern Sea Route.

Permits are issued by the authorized body.

3.1. Confirmation of the issuance of a permit is an entry made by the authorized body in the register of permits for navigation of ships in the waters of the Northern Sea Route (hereinafter referred to as the register), which is maintained by the authorized body.

The information contained in the register, with the exception of information related to information, access to which is restricted in accordance with the legislation of the Russian Federation, is posted on the official website of the authorized body on the Internet information and telecommunication network (hereinafter referred to as the official website of the authorized body) and is open to familiarize them with state authorities, local governments, legal entities and individuals.

4. In order to obtain a permit, the shipowner, the representative of the shipowner or the captain of the vessel (hereinafter referred to as the applicant) shall submit an application to the authorized body in electronic form in Russian and (or) English (hereinafter referred to as the application).

The application shall contain information about the applicant indicating the full name and identification number of the vessel, assigned by the International Maritime Organization (hereinafter referred to as the identification number of the vessel) (if any), as well as the last name, first name, patronymic (if any) of the head of the applicant - a legal entity, contact phone number, fax, e-mail address (for a legal entity) or last name, first name, patronymic (if any) of the applicant, contact phone number, fax, e-mail address (for an individual who applied on his own behalf).

The application may be submitted using public information and telecommunications networks, including the Internet, including the official website of the authorized body and the applicant's personal account in the federal state information system "Unified Portal of State and Municipal Services (Functions)" (hereinafter referred to as the unified portal). When submitting an application using the official website of the authorized body, the application is drawn up in pdf format. An application submitted using the applicant's personal account on the unified portal is signed with an enhanced qualified electronic signature.

5. The following documents are attached to the application, drawn up in electronic form (file in pdf format), in Russian and (or) English:

a) information about the ship and the voyage in accordance with Appendix No. 1;

b) a copy of the classification certificate issued in accordance with the established procedure by an organization authorized to classify and survey ships;

c) a copy of the measuring certificate;

d) a copy of the certificate of insurance or other financial security of civil liability for pollution damage from ships, issued in accordance with the International Convention on Civil Liability for Damage from Bunker Oil Pollution of 2001, the 1992 Protocol amending the International Convention on Civil Liability for Damage from oil pollution in 1969;

e) a copy of the certificate issued by the organization authorized for the classification and certification of ships, which approved the project of a one-time passage (passage), confirming the possibility of making a passage with an indication of the conditions for its completion (for a ship carrying out a passage outside the areas and seasons of navigation established for it);

f) a copy of the standard towing manual or the towing project approved by the organization authorized for the classification and certification of ships (for towed floating objects in the navigation area established for them, including towed floating drilling rigs);

g) a copy of the polar ship certificate provided for by the International Code for Ships Operating in Polar Waters (Polar Code) (for ships to which this International Code applies);

h) has become invalid;

i) a copy of the contract for the provision of services for icebreaking assistance (for ships for which such assistance is mandatory in accordance with the criteria for the admission of ships to the water area of the Northern Sea Route, provided for in Appendix No. 2 (hereinafter referred to as the admission criteria));

j) a copy of the general drawing of the ship.

5.1. An applicant who is a Russian ship owner, a representative of a Russian ship owner or the captain of a Russian vessel has the right to submit copies of the documents specified in subparagraphs "b", "c" and "e" of paragraph 5 of these Rules, issued by Russian organizations whose powers to classify and survey ships are defined by the Government of the Russian Federation, on their own initiative, and in the event of their failure to be submitted by the said applicant on their own initiative, the authorized body shall request such copies independently using the unified system of interdepartmental electronic interaction from Russian organizations whose powers to classify and survey ships are defined by the Government of the Russian Federation.

6. For yachts, small boats, sports sailing boats, in addition to the application and the document specified in subparagraph "a" of paragraph 5 of these Rules, a copy of the ship's ticket is attached (for yachts, small boats, sports sailing ships

sailing under a foreign flag, a copy of a document similar to a ship's ticket issued by the administration of the flag state of such a ship or an organization recognized by it).

An applicant who is a Russian ship owner, a representative of a Russian ship owner or the captain of a Russian vessel has the right to submit a copy of the ship's ticket for small vessels sailing under the state flag of the Russian Federation and used for non-commercial purposes, on his own initiative, and in the event of failure to submit it by the said applicant on his own initiative, the authorized body shall request such a copy independently using the unified system of interdepartmental electronic interaction from the body authorized by the Government of the Russian Federation to carry out state registration of vessels in the register of small vessels.

7. The application with the documents attached in accordance with paragraphs 5 and 6 of these Rules shall be sent by the applicant no later than 5 working days before the expected date of entry of the vessel into the waters of the Northern Sea Route.

8. The application is accepted for consideration on the day of its receipt by the authorized body, and if the application was received on a weekend or non-working holiday, on the first working day following this weekend or non-working holiday.

9. The authorized body, no later than the day following the day after the application is accepted for consideration, posts information about it (indicating the date of acceptance of the application for consideration) on the official website of the authorized body.

10. Consideration of the application with the documents attached to it and the decision to issue a permit (refusal to issue a permit) are carried out by the authorized body within 5 working days from the date of acceptance of the application for consideration.

11. The authorized body refuses to issue a permit if one or more of the following grounds exist:

- a) non-compliance of the vessel with the admission criteria;
- b) failure by the applicant to submit a copy of the contract for the provision of icebreaking services, if such assistance is compulsory according to the admission criteria;
- c) the application or documents attached to it contain incomplete or unreliable information;
- d) the application is not signed by the applicant;
- e) the planned route of navigation of the vessel (area of work) in the water area of the Northern Sea Route and (or) the period of navigation are outside the areas and (or) seasons of operation of the vessel, established by the organization authorized for the classification and certification of ships;
- f) an incomplete set of documents provided for by these Rules is attached to the application, or invalid documents are submitted.

12. Has become invalid.

13. Has become invalid.

13.1. If the authorized body makes a decision to issue a permit, the authorized body, on the day of making such a decision, makes an entry in the register, which contains the following information:

a) the number of the register entry;

b) the name of the vessel for which the permit has been issued;

c) the flag of the vessel for which the permit has been issued;

d) identification number of the vessel (if any) in respect of which the permit was issued;

e) starting and the expiration dates of the permit, taking into account the expected start and end dates of the vessel's navigation in the waters of the Northern Sea Route (the period of validity of the permit cannot exceed 365 calendar days);

f) navigation route (area of work) of the vessel in the waters of the Northern Sea Route;

g) information on the need for icebreaking assistance of the ship in heavy, medium and light types of ice conditions, indicating the period (term) of navigation and the area (areas) of the water area of the Northern Sea Route, in which the ship must navigate under the assistance of an icebreaker according to the admission criteria.

14. If there are grounds for refusal to issue a permit, provided for in paragraph 11 of these Rules, within the period specified in paragraph 10 of these Rules, the authorized body shall send to the applicant's e-mail address specified in the application a notice of refusal to issue a permit, in which grounds for such refusal.

The applicant has the right to re-apply in accordance with paragraphs 4 - 7 of these Rules after the elimination of the shortcomings that were the basis for the refusal to issue a permit.

15. Has become invalid.

16. Has become invalid.

17. A vessel, which permit has been issued, must not enter the water area of the Northern Sea Route earlier than the effective date of this permit and must leave the water area of the Northern Sea Route no later than the expiration date of this permit.

If the ship cannot leave the water area of the Northern Sea Route before the expiration of the permit, the captain of the ship immediately informs the authorized body about this, explaining the reasons why the requirement provided for in paragraph one of this paragraph cannot be met, and acts in accordance with the instructions received.

17.1. The authorized body, no later than 72 hours after receiving the information provided for in subparagraphs "a" and (or) "b" of this paragraph, decides

to suspend the validity of a permit issued in respect of a ship located outside the water area of the Northern Sea Route, on up to 30 days in the following cases:

a) actual or predicted assessments of the types of ice conditions, taking into account the requirements of the regulation on hydrometeorological support for navigation of vessels in the waters of the Northern Sea Route, approved by the federal executive body authorized by the Government of the Russian Federation, in agreement with the State Corporation Rosatom, received by the authorized body from organizations of the Federal Service on hydrometeorology and environmental monitoring, from on-board measuring complexes of ships or based on information from the captains of ships located in the areas of the ship's route, confirmed by objective monitoring data (remote sensing of the Earth, ship and aircraft radar stations), through public information and telecommunication networks, including the Internet information and telecommunications network, telephone communications, as well as communications provided for in paragraph 31 of these Rules (hereinafter referred to as assessments of types of ice conditions), more difficult than the type of ice conditions, specified in the permit;

b) in case of actual or predicted estimates of the types of ice conditions, icebreaking assistance to the ship is possible only by towing "close", and the ship has hull design features (the presence of a bow bulb, the shape of bow formations, protruding elements of the hull or structures, the ratio of displacements of the escorted ship and the icebreaker), that prevent towing in this way.

17.2. The authorized body no later than 72 hours after receiving the information provided for in subparagraphs "a" and (or) "b" of this paragraph, decides to renew the permit, the validity of which has been suspended in accordance with paragraph 17 of these Rules, in the following cases:

a) upon improvement of the assessment of the type of ice conditions to a level that allows the ship to safely navigate through the areas of the water area of the Northern Sea Route specified in the permit using the ice navigation methods specified in the permit;

b) when the assessment of the type of ice conditions is improved to a level that allows icebreaking assistance to the ship in a way other than the "close" towing method.

17.3. Changes to the permit shall be made in the cases specified in paragraphs 173-1 and 173-2 of these Rules.

The validity period of the permit, taking into account the change in its validity period, may not exceed 365 calendar days from the date of commencement of the permit's validity.

17.3-1. The authorized body, no later than the 24th hour after receiving the information specified in paragraphs two and three of this paragraph, shall make a decision to amend the permit issued in relation to a vessel located in the waters of the Northern Sea Route, in the following cases:

actual or forecast assessments of the types of ice conditions are more severe than the type of ice conditions specified in the permit;

in actual or predicted assessments of the types of ice conditions, icebreaker escort of a vessel is possible only by the "close" towing method, while the vessel has features of the hull design that prevent towing by this method (bow bulb, shape of bow formations, protruding elements of the hull or structure) and (or) the ratio of the displacements of the escorted vessel and the icebreaker does not allow towing by the said method.

Changes to the permit issued in relation to a vessel located in the waters of the Northern Sea Route, in the cases provided for in paragraphs two and three of this clause, are made by making an entry in the register in relation to one or more pieces of information specified in subparagraphs "d" - "g" of clause 131 of these Rules.

173-2. In case of necessity to change the validity period of the permit, the applicant has the right to send an application to the authorized body to change the validity period of the permit no later than 5 working days before the start (end) of its validity. An application to change the validity period of one permit may be sent no more than 2 times.

An application to change the validity period of the permit shall be sent in the manner prescribed by paragraph 4 of these Rules. The application to change the validity period of the permit shall be accompanied by the document specified in subparagraph "a" of paragraph 5 of these Rules. The documents specified in subparagraphs "b" - "g", "i" and "k" of paragraph 5 and the first paragraph of paragraph 6 of these Rules shall be attached to the application to change the validity period of the permit only if changes were made to them after the application was submitted. The authorized body, no later than 3 working days following the day of accepting the application for changing the validity period of the permit and the documents attached thereto for consideration, shall check for changes in the documents specified in subparagraphs "b" - "g", "i" and "k" of paragraph 5 and the first paragraph of paragraph 6 of these Rules that could have been made to them after the application was submitted, and, based on the results of this check, shall make a decision to make changes (refuse to make changes) to the permit in terms of its validity period by making an entry to this effect in the register.

The decision to refuse to make changes to the permit in terms of its validity period shall be made by the authorized body in the event of the presence of one or more grounds specified in paragraph 11 of these Rules.

The navigation periods for vessels without an ice class and with ice classes Ice 1 - Ice 3 in the waters of the Northern Sea Route specified in the permit in accordance with Appendix No. 2 to these Rules may be changed by the applicant submitting to the authorized body an application to change such navigation periods in the manner established by this paragraph, if the assessment of the type of ice conditions corresponds to the type of ice conditions "clear water" determined by the



forecast of the assessment of the types of ice conditions for areas of the waters of the Northern Sea Route received by the authorized body from organizations of the Federal Service for Hydrometeorology and Environmental Monitoring. The navigation periods specified in this paragraph may be changed by no more than 20 days.

17.4. The authorized body, after 30 days from the date of the decision to suspend the permit in accordance with paragraph 17.1 of these Rules, decides to terminate such a permit, if there are no grounds for resuming the said permit.

17.5. The authorized body, within 2 hours after the decision to suspend, renew, terminate the permit, to make changes to it, sends the master of the vessel to the e-mail address specified in the application, a notification of such a decision, and in case of a decision to suspend validity of the permit - also information on the reason for such a decision, the expected timing of the renewal of the permit and instructions on the actions to be taken in order to ensure the safety of the vessel.

In case of the decision to suspend the permit, the authorized body shall include in the notification specified in the first paragraph of this clause information on the reason for such a decision, the expected time frame for renewal of the permit, as well as instructions on changing the vessel's route and instructions on the actions that must be taken to ensure the safety of navigation.

In case of the decision to amend the permit, the authorized body shall include in the notification specified in the first paragraph of this clause information on the reason for such a decision.

17.6. Has become invalid.

17.7. If the authorized body makes a decision to suspend, renew, terminate the permit, or amend it, the relevant information shall be posted by the authorized body in the register on the day of making such a decision after sending to the applicant by e-mail address specified in the application, to the applicant's personal account on the single portal (in the event of submitting an application using the applicant's personal account on the single portal) or posting on the official website of the authorized body (in the event of submitting an application using the official website of the authorized body) a notice of the decision to suspend, renew, terminate the permit, or amend it in accordance with the first paragraph of clause 17.5 of these Rules.

18. When a ship is sailing to the water area of the Northern Sea Route from the west 48 hours before approaching the western border of the Kara Gates, Matochkin Shar or Yugorsky Shar straits or before approaching the meridian 68 degrees 35 minutes east longitude (hereinafter referred to as the western border), and when following vessel to the water area of the Northern Sea Route from the east 48 hours before approaching the parallel of 66 degrees 05 minutes north latitude and (or) to the meridian 168 degrees 58 minutes 37 seconds west longitude (hereinafter

referred to as the eastern border) or immediately after departure from the seaport located outside the water area of the Northern Sea Route (if the sailing time of the vessel after leaving the seaport to the western or eastern border is less than 48 hours), the captain of the vessel informs the authorized body of the planned time (Moscow time) of the vessel's arrival to the western or eastern border, respectively, and also sends the next information:

- a) the name of the vessel;
- b) vessel identification number (if any);
- c) port (place) of ship's departure, actual date and time (Moscow) of departure;
- d) port (place) of destination of the vessel, estimated date and time (Moscow) of arrival;
- e) ship's maximum draft (in meters);
- e) type and quantity (in metric tons) of cargo carried (information on towed floating object);
- g) the class and quantity (in metric tons) of the dangerous goods carried (if any);
- h) fuel capacity, indicating the type of fuel in metric tons and the number of days during which the vessel can sail without replenishment of fuel, at the time of sending the information;
- i) fresh water supply, taking into account the replenishment of fresh water from the ship's desalination plant (if any) at the time of sending the information (the number of days during which the ship can sail without replenishing the fresh water supply is indicated);
- j) stock of food and other types of ship's supplies at the time of sending the information (the number of days during which the ship can sail without replenishment of food and other types of ship's supplies is indicated);
- k) the number of crew members and passengers on board;
- l) information about damage to the ship's hull, malfunctions of ship machinery, mechanisms and (or) technical means, other facts that may impede safe navigation and (or) icebreaking assistance of the ship in ice conditions (if any);
- m) name, identification number of towed (pushed) vessels (if any), other floating objects, type and amount of cargo, number of crew members and passengers on them (if any);
- n) the expected date and time (in Moscow) of the ship's entry into the water area of the Northern Sea Route, indicating the geographical coordinates of the planned place of crossing the border of the Northern Sea Route and the planned date of the end of navigation in the water area of the Northern Sea Route.

19. When a ship leaves the seaport of the Russian Federation located in the waters of the Northern Sea Route (departure from the place of cargo operations outside the waters of seaports), the captain of the ship sends to the authorized body the information provided for in paragraph «a»-«m» 18 of these Rules, indicating the

planned time (Moscow ) exit from the waters of the Northern Sea Route, including entry into inland waterways, or the planned time of arrival at the seaport located in the waters of the Northern Sea Route (approach to the place of cargo operations outside the waters of seaports), depending on which event occurs before.

20. When a ship enters the water area of the Northern Sea Route from the inland waterways of the Russian Federation, the captain of the ship sends to the authorized body information on the date and actual time (Moscow time) of the ship's entry into the water area of the Northern Sea Route, geographical coordinates, as well as the information provided for in paragraph «a»-«m» 18 of these of the Rules, indicating the planned time (Moscow) of exit from the water area of the Northern Sea Route, including entry into inland waterways, or the planned time (Moscow) of arrival at a seaport located in the water area of the Northern Sea Route (approach to the place of cargo operations outside the water areas of sea ports), whichever occurs first.

21. When a vessel enters the water area of the Northern Sea Route, the captain of the vessel sends to the authorized body information about the name of the vessel, the identification number of the vessel (if any), the date and actual time (Moscow) of the vessel's entry into the water area of the Northern Sea Route, geographical coordinates, heading and speed vessel at the time of sending the information, as well as the planned time (Moscow time) of leaving the water area of the Northern Sea Route, including entry into inland waterways, or the planned time (Moscow time) of arrival at the seaport located in the water area of the Northern Sea Route (approach to the place of cargo operations outside the water areas of seaports), depending on which event occurs first.

22. When a ship leaves the water area of the Northern Sea Route, including entering inland waterways, the captain of the ship sends to the authorized body information about the name of the ship, the identification number of the ship (if any), the actual date and time (Moscow time) of the ship's departure from the water area of the Northern Sea Route, geographic coordinates, course and speed of the vessel at the time of sending information.

23. When a ship arrives at a seaport of the Russian Federation located in the waters of the Northern Sea Route (approaching the place of cargo operations outside the waters of seaports), the captain of the ship sends to the authorized body information about the name of the ship, identification number of the ship (if any), date and the time (in Moscow) of the ship's arrival at the seaport, indicating the name of the seaport (place of cargo operations outside the water areas of seaports).

24. When a ship is sailing in the waters of the Northern Sea Route after crossing the western or eastern border and before leaving the waters of the Northern Sea Route, once a day at 12.00 (Moscow time), the captain of the ship sends the following information to the authorized body as of the moment of sending the information:

- a) the name of the vessel;
- b) vessel identification number (if any);
- c) geographical coordinates of the vessel (latitude, longitude);
- d) the planned date and time (Moscow time) of the ship's departure from the water area of the Northern Sea Route or the planned time (Moscow time) of the ship's arrival at the seaport located in the water area of the Northern Sea Route (approach to the place of cargo operations outside the water areas of sea ports), depending on which event comes first;
- e) ship's course (with an accuracy of one degree);
- f) the speed of the vessel (with an accuracy of one knot);
- g) fuel supply, indicating the type of fuel (in metric tons);
- h) fresh water supply, taking into account the replenishment of fresh water from the ship's desalination plant (in metric tons);
- i) information about incidents with a member of the ship's crew or a passenger (if any);
- j) information about damage to the hull, malfunctions of ship machinery, mechanisms and (or) technical means (if any);
- k) other information related to the safety of navigation and the protection of the marine environment from pollution from ships (if any);
- l) air temperature in degrees Celsius to the nearest degree;
- m) atmospheric pressure (in millibars);
- o) wind direction and speed to the nearest 10 degrees and one meter per second;
- n) visibility in nautical miles to the nearest mile;
- p) weather phenomena (fog, haze, rain, snow, etc.);
- q) sea water temperature in degrees Celsius to the nearest one degree;
- r) the presence of icebergs, fragments and pieces of icebergs, indicating their coordinates, linear dimensions and direction of drift;
- s) general ice concentration on a 10-point scale, ice age with indication of partial ice concentration (for fast ice, the code word "fast ice" is indicated);
- t) ice compression (in points);
- u) ice hummockiness (in points);
- v) ice destruction (in points);
- w) the presence of icing on the vessel;
- x) ice phenomena such as intense drift, ice river;
- y) detection of a malfunction or absence of navigation equipment indicated on the navigation chart or in the navigation manual.

25. Has become invalid.

26. In order to ensure the safety of navigation of vessels and prevent accidents with vessels, as well as to protect the marine environment in the waters of the Northern Sea Route, ice pilotage of vessels is carried out, the obligation and criteria

of which are determined by the rules for ice pilotage of vessels in the waters of the Northern Sea Route, approved by the Ministry of Transport of the Russian Federation in agreement with the State Corporation "Rosatom".

The requirements for an ice pilot, carrying out ice pilotage of vessels in the waters of the Northern Sea Route, are determined by the regulation on ice pilots, approved by the Ministry of Transport of the Russian Federation in agreement with the State Corporation "Rosatom".

### **P1. The procedure for issuing certificates of the right to ice pilotage**

26.1. A person carrying out ice pilotage of ships in the waters of the Northern Sea Route must have a certificate of the right to ice pilotage issued by the Federal Agency for Marine and River Transport or an organization subordinate to it (hereinafter referred to as the qualification body).

26.2. A certificate of ice pilotage is issued on the basis of an application from a person applying for a certificate of ice pilotage (hereinafter, respectively, an applicant, an application for a certificate of ice pilotage), after passing qualification tests.

26.2-1. An application for a certificate of the right to ice pilotage must contain the following information:

a) the applicant's surname, first name, patronymic (if any), citizenship, and date of birth;

b) information on the applicant's technical ability to use video conferencing with the ability to identify the applicant through the federal state information system "Unified system of identification and authentication in the infrastructure providing information and technological interaction of information systems used to provide state and municipal services in electronic form" (if any);

c) the applicant's e-mail address (if any);

d) the postal address and contact telephone number (if any) of the applicant;

d) information on the method of communication with the applicant (postal mail or e-mail).

26.2-2. The application for a certificate of right to ice pilotage shall be accompanied by a document confirming the applicant's work experience of at least 3 years as a vessel's captain and (or) senior mate on seagoing vessels with a capacity of 3,000 or more, of which at least 6 months were spent navigating the vessel in ice conditions (if there is information about such work experience in the applicant's work record book, the said document shall not be attached to the application for a certificate of right to ice pilotage, and the qualification body shall request such

information independently using the unified system of interdepartmental electronic interaction from the Pension and Social Insurance Fund of the Russian Federation). In addition to the document specified in the first paragraph of this clause, when passing the qualification tests, the applicant shall submit to the qualification body 2 color photographs of the applicant measuring 2.5 by 3.5 centimeters.

26.3. To pass the qualification tests, the applicant sends to the qualification body an application for obtaining a certificate of the right to ice pilotage in writing by mail or by e-mail or fills out such an application on the official website of the qualification body in the information and telecommunication network "Internet" or in the personal account on the portal. Registration of the application for obtaining a certificate of the right to ice pilotage is carried out on the day of its receipt by the qualification authority.

An application for obtaining a certificate of the right to ice pilotage, submitted using the official website of the qualification authority in the information and telecommunications network "Internet" or the applicant's personal account on the single portal, is signed with a simple electronic signature or an enhanced unqualified electronic signature, the verification key certificate of which is created and used in the infrastructure that ensures the information technology interaction of information systems used to provide state and municipal services in electronic form.

26.4. On the day of registration of the application for a certificate of right to ice pilotage, the qualification body shall set the date, time and place of the qualification tests and send to the postal address (in case of filing an application for a certificate of right to ice pilotage by mail) or to the e-mail address (in case of filing an application for a certificate of right to ice pilotage using e-mail) specified in the application for a certificate of right to ice pilotage, or to the applicant's personal account on the single portal (in case of filing an application for a certificate of right to ice pilotage using the applicant's personal account on the single portal) or post on the official website of the qualification body in the information and telecommunications network "Internet" (in case of filing an application for a certificate of right to ice pilotage using the official website of the qualification body in the information and telecommunications network "Internet") information on the date, time and place of the qualification tests.

Qualification tests are conducted within a period not exceeding 10 working days from the date of registration of the application for obtaining a certificate of the right to ice pilotage.

If the applicant has the opportunity to use video conferencing, qualification tests can be conducted remotely in video conferencing mode. In this case, qualification tests are conducted within a period not exceeding 8 working days from the date of registration of the application for obtaining a certificate of the right to ice pilotage.

26.5. Qualification tests are conducted by a commission created by a decision of the qualification body (hereinafter referred to as the commission).

26.6. Based on the results of qualification tests, the commission makes one of the following decisions:

- a) on issuance to the applicant of a certificate of the right to ice pilotage;
- b) refusal to issue a certificate of the right to ice pilotage to the applicant.

26.7. On the first working day following the day of the qualification tests, the qualification body shall inform the applicant of the decision taken by the commission in the manner specified by the applicant in the application for a certificate of ice pilotage, or using the applicant's personal account on the single portal (in the case of filing an application for a certificate of ice pilotage using the applicant's personal account on the single portal) or the official website of the qualification body on the information and telecommunications network "Internet" (in the case of filing an application for a certificate of ice pilotage using the official website of the qualification body on the information and telecommunications network "Internet"). The applicant shall be informed of the refusal to issue a certificate of ice pilotage, indicating the reasons for the relevant decision.

26.8. In case of disagreement with the commission's decision to refuse to issue a certificate of ice pilotage, the applicant has the right to send reasoned objections to the qualification body within 10 working days from the date of the qualification tests in writing by post or by e-mail or using the official website of the qualification body on the Internet or a personal account on the portal.

Motivated objections are considered by the commission within 15 working days from the date of their registration. Based on the results of consideration of motivated objections, the commission decides:

on issuance to the applicant of a certificate of the right to ice pilotage (in case of agreement with reasoned objections);

on the refusal to the applicant to issue a certificate of the right to ice pilotage.

26.9. Information on the decision taken to issue the applicant a certificate of the right to ice pilotage or to refuse to issue him such a certificate within 5 working days from the date of consideration of reasoned objections shall be sent to the applicant in the manner specified in the application for a certificate of the right to ice pilotage, or using the applicant's personal account on the portal (in the case of filing an application for a certificate of the right to ice pilotage using the applicant's personal account on the portal) or the official website of the qualification body on the information and telecommunications network "Internet" (in the case of filing an application for a certificate of the right to ice pilotage using the official website of the qualification body on the information and telecommunications network "Internet").

26.10. A certificate of the right to ice pilotage is issued within 2 working days from the date of the qualification tests or the adoption of the decision provided for in paragraph three of clause 26.8 of these Rules.

26.11. In case of loss or damage of the certificate of the right to ice pilotage, the qualification body, upon the application of a person entitled to carry out ice pilotage of ships in the waters of the Northern Sea Route, within 2 working days from the date of receipt of such an application, issues a duplicate certificate of the right of ice pilotage to replace a lost or damaged item.

26.12. The procedure for the establishment and operation of the commission, the procedure for registering an application for obtaining a certificate of the right to ice pilotage, the requirements for its content and documents attached to it, the procedure for conducting qualification tests, the procedure for registering reasoned objections provided for in paragraph 26.8 of these Rules, as well as requirements for the content of the certificate of the right to ice pilotage is established by the Ministry of Transport of the Russian Federation in agreement with the State Corporation «Rosatom».

### **III. Regulations on navigation and hydrographic support navigation of ships in the waters of the Northern Sea Route**

27. Navigational and hydrographic support for navigation of ships in the waters of the Northern Sea Route includes:

- a) hydrographic survey of the water area in order to generate navigational information;
- b) collection, preparation and communication to mariners of operational information about changes in the navigation situation and navigation regime in the water area;
- c) equipping the water area with navigation equipment.

28. Navigational and hydrographic support for navigation of vessels in the waters of the Northern Sea Route is carried out by the Federal Agency for Sea and River Transport and the State Corporation Rosatom in the manner established by the Government of the Russian Federation in accordance with paragraph 4 of Article 5 of the Merchant Shipping Code of the Russian Federation.

29. Hydrographic surveys in the water area of the Northern Sea Route are carried out in areas agreed with the authorized body.

### **IV. Other Provisions related to the organization of navigation of vessels in the water area of the Northern Sea Route**



30. Icebreaking assistance for vessels whose navigation in the waters of the Northern Sea Route, according to the admission criteria, must be carried out under the assistance of an icebreaker (hereinafter referred to as icebreaking assistance), is carried out by icebreakers entitled to sail under the State Flag of the Russian Federation.

Icebreaking assistance is carried out in accordance with the rules for icebreaking assistance of ships in the waters of the Northern Sea Route, approved by the Ministry of Transport of the Russian Federation in agreement with the State Corporation Rosatom, and includes the navigation of a ship (caravan of ships) with the help of an icebreaker (s), as well as the activities of the icebreaking fleet, ensuring the specified navigation, including the formation of a convoy of ships and the placement of ships in a caravan to follow icebreakers, preliminary laying of a channel in ice, towing ships in ice conditions, ice exploring by an icebreaker, ensuring safe drift of ships in ice while waiting for ice conditions to improve.

Vessels are assisted along the routes in the waters of the Northern Sea Route by the authorized body, which provides ship captains with detailed information on the ice situation, recommended routes, warnings of especially dangerous ice phenomena.

Taking into account the actual ice and hydrometeorological situation on a specific route of navigation of ships in the water area of the Northern Sea Route, the ice class and technical characteristics of ships, the authorized body determines the type of escort of ships, and in the implementation of icebreaking assistance of ships - the composition of the caravan of ships.

For double-acting vessels (equipped with propulsion and rudder columns designed for movement in ice stern first) of ice classes Arc7 and Arc8, there is no requirement to provide icebreaker assistance in the waters of the Northern Sea Route in the period from January 1 to January 31 and from June 1 to December 31.

30.1. The authorized body takes control over the passage of ships in ice conditions and, if necessary, gives instructions to the captain of the ship on the actions to be taken to ensure the safety of navigation.

If the actual assessments of the types of ice conditions are easier than the predicted assessments of the types of ice conditions, which allows the vessel to navigate safely, the authorized body, no later than 24 hours after receiving the relevant information, shall give the captain of the vessel recommendations on the actions to be taken when carrying out such navigation.

31. Communication between ships, icebreakers and the authorized body is carried out using radio equipment intended for use in the coverage area of sea areas A1, A2, A3 and A4 of the Global Maritime Distress and Safety System, in accordance with the radio communication rules of the maritime mobile service and maritime mobile satellite service of the Russian Federation, approved by the authorized federal executive bodies.

32. During icebreaking assistance, the icebreaker (icebreakers) and ships keep a constant radio watch on the 16th communication channel of ultra short radio waves.

33. Contact information for communication with the authorized body is posted on the official website of the authorized body.

34. During icebreaking assistance, radio communication between the ships and between the ship and the icebreaker(s) shall be carried out on a communication channel of ultra short radio waves established by the captain of the icebreaker who manages the movement of the ice convoy.

35. Conducting radio conversations not related to the movement of the ice caravan or ensuring the safety of navigation on the ultra short radio wave communication channel established in accordance with paragraph 34 of these Rules is prohibited.

36. Has become invalid.

37. Has become invalid.

38. In addition to the requirements for the equipment and supplies of the ship, provided for by international treaties of the Russian Federation, the legislation of the Russian Federation, when navigating in the waters of the Northern Sea Route, the ship must have on board:

a) these Rules;

b) marine navigation charts and manuals along the entire route in the waters of the Northern Sea Route;

c) additional emergency equipment, including:

when the ship is sailing at night and (or) in conditions of limited visibility - one floodlight with an equivalent power of at least 2 kilowatts with a set of spare lamps (light sources), which can be installed in the bow of the ship or on one of the wings of the ship's navigation bridge;

one set of warm clothes for each person on board the ship, and in addition to the indicated number of sets of warm clothes - 3 spare sets;

immersion suits in an amount corresponding to the maximum allowable number of people who can be on board during the navigation of the vessel, as well as additional immersion suits for watchmen on the navigation bridge and in the engine room.

39. When navigating in the waters of the Northern Sea Route, the following requirements must be met on board a ship:

a) the capacity of the tank or tanks for collecting oil residues (oily sediments) must be of sufficient capacity, taking into account the type of ship's power plant and the duration of the voyage in the waters of the Northern Sea Route;

b) containers for collecting waste (sludge) generated during the operation of the vessel must be of sufficient capacity, taking into account the duration of the voyage in the waters of the Northern Sea Route;

c) the amount of fuel, fresh water and food on the ship must be sufficient for navigation in the waters of the Northern Sea Route without replenishment, taking into account the maximum possible duration of navigation;

d) in the period from November the 16th to June (inclusive), ballast tanks (tanks) adjoining the outer side of the ship above the operating waterline must have heating devices or other devices that prevent freezing of liquid in ballast tanks, approved by the administration of the state of the flag of such a ship.

40. On the navigation bridge of a vessel navigating in the waters of the Northern Sea Route, in ice conditions with an ice concentration of more than 3 points, the captain of the vessel or the senior assistant to the captain must be present.

41. The discharge of oil residues (oil-containing sediments) in the waters of the Northern Sea Route is prohibited.

42. The authorized body places on the official website:

a) contact information;

b) these Rules in Russian and English;

c) information on applications considered by the authorized body;

d) information on issued permits;

e) information on the refusal to issue a permit;

f) data on organizations providing services for icebreaking assistance in the water area of the Northern Sea Route, indicating their contact information;

g) data on organizations providing ice pilotage services, indicating their contact information;

h) information on the movement of vessels in the water area of the Northern Sea Route, including:

names of ships in the water area or following the water area of the Northern Sea Route;

the planned and actual time of passage by each vessel of the western or eastern border of the Northern Sea Route and their geographical coordinates, course and speed at the time of passage of the vessel;

geographical coordinates, heading and speed of each vessel at 12.00 (Moscow time) of the reporting day;

the planned time of departure of ships from the water area of the Northern Sea Route or the planned time of arrival of ships to seaports located in the water area of the Northern Sea Route;

i) hydrometeorological and ice forecasts 72 hours in advance, related to the water area of the Northern Sea Route, received by the authorized body from organizations of the Federal Service for Hydrometeorology and Environmental Monitoring, including a forecast for assessing the types of ice conditions "heavy", "medium", "light", "clean water", for the areas of the water area of the Northern Sea Route, specified in Appendix No. 3;

j) hydrometeorological information products;

- k) long-term ice forecasts and updates to them for the first half and second half of the summer-autumn navigation in the water area of the Northern Sea Route;
- l) recommendations for communications in the waters of the Northern Sea Route.

Application No. 1  
to the Rules of navigation in the water area  
Northern Sea Route

### **SHIP AND FLIGHT INFORMATION**

1. Name of the vessel.
2. Vessel identification number assigned by the International Maritime Organization (if any).
3. Flag of the state of the vessel.
4. The ship's call sign.
5. Information about the shipowner indicating the full name and identification number of the organization assigned by the International Maritime Organization (if any), last name, first name, patronymic (if any) of the head of the shipowner, contact phone number, fax, e-mail address for a legal entity or last name, first name, patronymic (if any) of the shipowner, contact phone number, fax, e-mail address for an individual.
6. Port (place) of ship's departure.
7. Port (place) of destination of the vessel.
8. Description of the proposed route of navigation of the vessel in the waters of the Northern Sea Route (indicating the area and type of work).

9. Estimated dates of the beginning and end of the vessel's navigation in the waters of the Northern Sea Route.
10. Planned number of crew members and passengers on board.
11. Type and planned quantity in metric tons of the cargo being transported (information about the towed object).
12. Class and planned quantity in metric tons of dangerous goods carried (if any).
13. Ship's satellite telephone number (if available).
14. Ship's fax number (if available).
15. Ship's e-mail address (if available).
16. Type of vessel.
17. Symbol of the ship's class, including information on the ice class of the ship, assigned to the ship by an organization authorized to classify and survey ships.
18. The length of the vessel is the greatest (meters).
19. The maximum width of the vessel (meters).
20. Vessel's maximum draft (meters).
21. Gross tonnage of the vessel.
22. Power of the ship's main power plant (in kilowatts).
23. Vessel deadweight.
24. Daily fuel consumption when the ship is moving at full speed on clean water (in metric tons).
25. Information about the design features of the bow and stern ends of the vessel.
26. Displacement of the vessel in cargo / in ballast.
27. Information on the type and number of ship propulsion units, power on the propeller shaft (propeller shafts) (in kilowatts)

Application No. 2  
to the Rules of navigation in the water area  
Northern Sea Route

CRITERIA FOR ADMISSION OF VESSELS IN THE WATER AREA OF  
THE NORTHERN SEA ROUTE

**Table # 1. For vessels without ice classes and with ice classes  
Ice1 - Ice3 classes from July 1 to November 15 <1>**

Ice class of the vessel	Method of ice navigation	Areas of the Northern sea route <2>						
		1, 2, 3, 4, 5, 6, 7	8, 9, 10, 11	12, 13, 14	15, 16, 17	18, 19, 20, 21	22, 23, 24, 27	25, 26, 28
		TCLH	TCLH	TCLH	TCLH	TCLH	TCLH	TCLH
Without ice class	SP	---+	---+	---+	---+	---+	---+	---+
	PL	--++	--++	--++	--++	--++	--++	--++
Ice1	SP	--++	--++	--++	--++	--++	--++	--++
	PL	--++	--++	--++	--++	--++	--++	--++
Ice2	SP	--++	--++	--++	--++	--++	--++	--++
	PL	-+++	-+++	--++	--++	--++	--++	--++
Ice3	SP	--++	--++	--++	--++	--++	--++	--++
	PL	-+++	-+++	--++	--++	--++	--++	-+++







Note.

Conventions used in this annex:

SP - independent navigation;

PL - sailing under the icebreaker's assistance;

T - severe type of ice conditions;

C - average type of ice conditions;

L - light type of ice conditions;

H - pure water;

+ - navigation of the vessel is allowed;

- - navigation of the vessel is prohibited;

\* - independent navigation is allowed from July the 1st to November the 30th.

\*\* - independent navigation is allowed from January 1 to January 31 and from June 1 to December 31 for double-acting vessels (equipped with propulsion and steering columns designed to move stern ahead in ice).

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 <1> For vessels without ice classes and with ice classes Ice1 - Ice3 navigation in the waters of the Northern Sea Route from November 16 to December 31 and from January to June is prohibited.

<2> The description of the boundaries of the areas of the water area of the Northern Sea Route is given in Appendix No. 3 to the Rules for Navigation in the Water Area of the Northern Sea Route, approved by Decree of the Government of the Russian Federation of September 18, 2020 No. 1487 "On Approval of the Rules for Navigation in the Water Area of the Northern Sea Route".

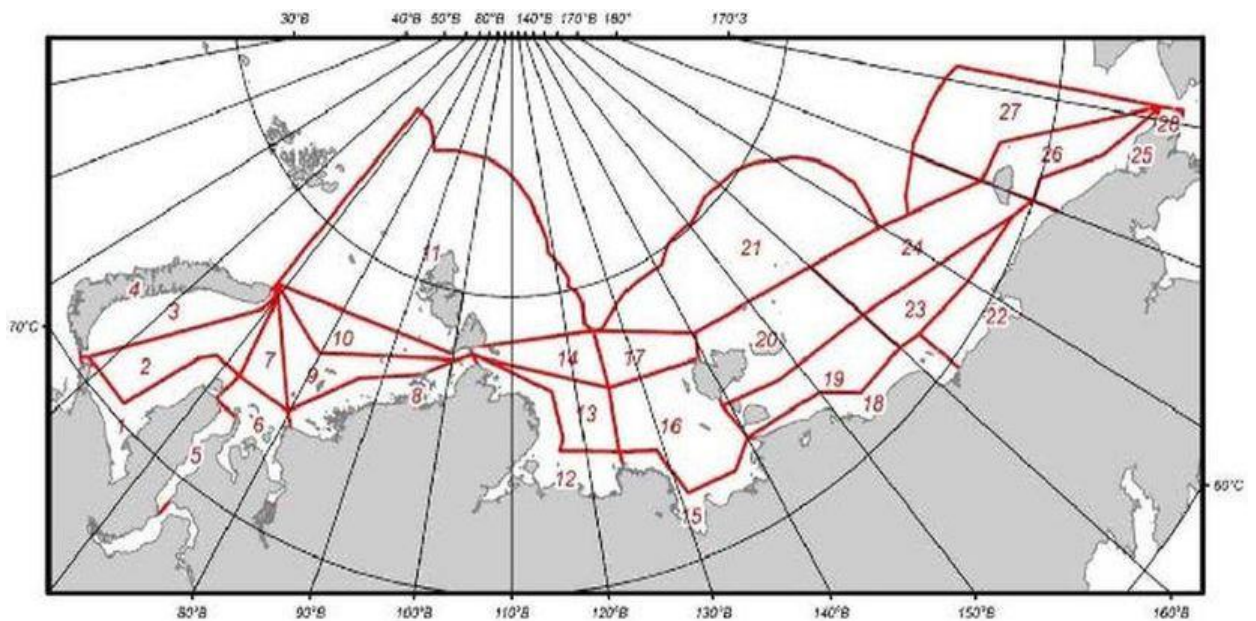
<3> For icebreakers with ice class Icebreaker6 - Icebreaker7 during the navigation period from June the 1st to December the 31st and from January the 1st to January the 31st, navigation is allowed without icebreaking assistance.

<4> For icebreakers with ice classes Icebreaker8 and Icebreaker9, there are no restrictions on navigation without icebreaking assistance in the waters of the Northern Sea Route.

Application No. 3  
to the Rules of navigation in the water area  
of the Northern Sea Route

## THE WATER AREA OF THE NORTHERN SEA ROUTE

### I. Scheme of the area location of the Northern sea route



## II. DESCRIPTION OF THE BORDERS OF THE WATER AREA OF THE NORTHERN SEA ROUTE

### District 1

The boundaries of the region pass from Cape Rogaty ( $70^{\circ}15' N$  and  $58^{\circ}26' E$ ) (1) along the line connecting the points with coordinates:  $70^{\circ}21' N$  and  $57^{\circ}47' E$  (2);  $70^{\circ} 35' N$  and  $58^{\circ}20' E$  (3);  $70^{\circ}30' N$  and  $64^{\circ}15' E$  (4);  $73^{\circ}30' N$  and  $67^{\circ}00' E$  (5);  $74^{\circ}00' N$  and  $68^{\circ}30' E$  (6);  $74^{\circ}00' N$  and  $72^{\circ}15' E$  (7); Hesel Cape ( $72^{\circ}53' N$  and  $71^{\circ}37' E$ ) (8); further along the northern and western shores of the Yamal Peninsula to the south; further along the eastern and northern shores of the Yugorsky Peninsula to the western border of the Yugorsky Shar Strait, passing along the line of Cape Bely Nos ( $69^{\circ}36' N$  and  $60^{\circ}12' E$ ) (9) and Cape Greben of Vaygach Island ( $69^{\circ}39' N$  and  $59^{\circ}59' E$ ) (10); further along the eastern coast of Vaygach Island to Cape Bolvansky Nos ( $70^{\circ}28' N$  and  $59^{\circ}05' E$ ) (11); yes further along the northern coast of Vaygach Island to Cape Rogaty.

28  
District 2

The boundaries of the region pass along the line connecting the points with coordinates: 70°35' north latitude and 58°20' east longitude (3); 76°15'N and 69°15'E (12); 76°45'N and 69°45'E (13); 77°15'N and 68°35'E (14); 76°45'N and 70°15'E (15); 74°00'N and 72°15'E (7); 74°00'N and 68°30'E (6); 73°30'N and 67°00'E (5); 70°30'N and 64°15'E (4); 70°35'N and 58°20'E (3).

District 3

The boundaries of the region run from Cape Kusov Nos (70°28' N and 57°08' E (16) along the northern coast of the Kara Gate Strait to Cape Menshikov (70°42' N and 57°37' E (17) Yuzhny Island of the Novaya Zemlya Archipelago; further along the eastern coast of the archipelago to Cape Zhelaniya (76°57' N and 68°35' E (18); further along the line connecting the points with coordinates 77°15' N and 68°35' E (14); 76°45'N and 69°45'E (13); 76°15'N and 69°15'E (12); 70°35'N and 58° 20'E (3), 70°21'N and 57°47'E (2), further north to Cape Kusov Nos.

District 4 (the Matochkin Shar Strait)

The boundaries of the area run from Cape Serebryany (73°21'N and 54°04'E longitude (19) Severny Island of the Novaya Zemlya archipelago east along the coast of the island to Cape Vykhodnoy (73°14'N latitude and 56°44'E longitude (20); further across the Matochkin Shar Strait to Cape Rok (73°09' N, 56°34' E (21) of Yuzhny Island of the Novaya Zemlya archipelago; further along the coast of the island to Cape Stolbovaya (73°17' N and 53°53' east longitude (22) and through the Matochkin Shar Strait to Cape Serebryany.

District 5 (the Ob Bay)

The boundaries of the region run from Cape Turysalya (72°48' N and 74°50' E longitude (23) of the northwestern tip of the Yavai Peninsula; further through the Gulf of Ob to Cape Khesalya (72°53' N and 71°37' east longitude (8) of the northeastern tip of the Yamal Peninsula; further south along the eastern coast of the Yamal Peninsula to Cape Kamenny (68°30' N and 73°35' E (24); further across the Ob Bay to Cape Trekhbugorny ( 69°05' north latitude and 73°52' east longitude (25) of the Javai Peninsula; further north along the western coast of the Javai Peninsula to Cape Turysalya.

District 6

The boundaries of the region pass along the line connecting the points with coordinates  $74^{\circ}00'$  north latitude and  $72^{\circ}15'$  east longitude (7);  $74^{\circ}00'N$  and  $79^{\circ}45'E$  (26); Cape Polynya ( $73^{\circ}35'$  north latitude and  $81^{\circ}04'$  east longitude (27) on the coast of the Petr Chichagov Coast; further through the port of Dikson along the coast of the Ob-Yenisei region, including the coasts of the Oleniy and Javai peninsulas, to Cape Turysalya ( $72^{\circ}48'$  north latitude and  $74^{\circ}50'$  east longitude (23) at the northwestern tip of the Yavai Peninsula; further across the Gulf of Ob to Cape Khesalya ( $72^{\circ}53'$  north latitude and  $71^{\circ}37'$  east longitude (8) of the northeastern tip of the Yamal Peninsula; further north to the starting point  $74^{\circ}00'N$  and  $72^{\circ}15'E$  (7).

#### District 7

The boundaries of the region pass along the line connecting the points with coordinates:  $77^{\circ}15'$  north latitude and  $68^{\circ}35'$  east longitude (14);  $74^{\circ}00'N$  and  $79^{\circ}45'E$  (26);  $74^{\circ}00'N$  and  $72^{\circ}15'E$  (7);  $76^{\circ}45'N$  and  $70^{\circ}15'E$  (15);  $77^{\circ}15' N$  and  $68^{\circ}35' E$  (14).

#### District 8

The boundaries of the region run from Cape Polynya ( $73^{\circ}35' N$  and  $81^{\circ}04' E$  (27) along the Petr Chichagov Coast, along the Khariton Laptev Coast, along the western coast of the Taimyr Peninsula to Cape Chelyuskin ( $77^{\circ}43' N$  and  $104^{\circ}15' E$  (28); further along the line connecting the points with coordinates:  $78^{\circ}00' North$  and  $103^{\circ}15' East$  (29);  $77^{\circ}43' North$  and  $100^{\circ}30' East$  (30);  $77^{\circ}00' N$  and  $95^{\circ}30' E$  (31);  $76^{\circ}10' N$  and  $86^{\circ}45' E$  (32);  $74^{\circ}00' N$  and  $79^{\circ}45' E$  (45); further south to Cape Polynya.

#### District 9

The boundaries of the region pass along the line connecting the points with coordinates:  $77^{\circ}15'$  north latitude and  $68^{\circ}35'$  east longitude (14);  $76^{\circ}15'N$  and  $79^{\circ}45'E$  (33);  $77^{\circ}40'$  north latitude and  $97^{\circ}45'$  east longitude;  $77^{\circ}43'N$  and  $100^{\circ}30'E$  (30);  $77^{\circ}00'N$  and  $95^{\circ}30'E$  (31);  $76^{\circ}10'N$  and  $86^{\circ}45'E$  (32);  $74^{\circ}00'N$  and  $79^{\circ}45'E$  (26);  $77^{\circ}15' N$  and  $68^{\circ}35' E$  (14).

#### District 10

The boundaries of the region run from the point  $77^{\circ}15' N$  and  $68^{\circ}35' E$  (14) to Cape Neupokoeva ( $77^{\circ}55' N$  and  $99^{\circ}34' E$  (35) of Bolshevik Island; further along the southern coast of Bolshevik Island to Cape Taimyr ( $78^{\circ}08' N$  and  $102^{\circ}48' E$  (36);

further along the line connecting the points with coordinates: 78°00' N, 103°15' E (29); 77°43' N, 100°30' E (30); 77°40' N and 97°45' E (34); 76°15' N and 79°45' E (33); 77° 15' north latitude and 68°35' east longitude (14).

#### District 11

The boundaries of the region run from the point with coordinates 77°15' north latitude and 68°35' east longitude (14) along the meridian 68°35' east longitude to the intersection with the border line of the 200-mile exclusive economic zone of the Russian Federation (hereinafter referred to as the EEZ of the Russian Federation) ; further to the south-east along the border line of the EEZ of the Russian Federation to the point with coordinates 78°30' north latitude and 124°45' east longitude (37); further to Cape Evgenov (78°18' N and 104°49' E (38); further along the southern coast of Bolshevik Island to Cape Neupokoeva (77°55' N and 99°34' E) to the starting point 77 °15'N and 68°35'E (14).

#### District 12

The boundaries of the region run from the northern tip of the Danube Island in the Lena River Delta (73°55' N and 124°30' E (39) to the west along the coast of the Laptev Sea, including the Olenek, Anabar, Khatanga bays and the eastern coast of the Taimyr Peninsula, to Cape Chelyuskin (77°43' north latitude and 104°15' east longitude (28); further along the line connecting the points with coordinates: 78°00' north latitude and 103°15' east longitude (29); 77°54' 76°45'N and 116°15'E (41); 75°10'N and 117°10'E (42); 74°45' N and 116°30' E (43); 74°20' N and 124°20' E (44); 73°55' N and 124°30' E (39).

#### District 13

The boundaries of the region pass along the line connecting the points with coordinates: 77°54' north latitude and 105°23' east longitude (40); 76°30'N and 125°00'E (45); 74°20'N and 124°20'E (44); 74°45'N and 116°30'E (43); 75°10'N and 117°10'E (42); 76°45'N and 116°15'E (41); 77°54' north latitude and 105°23' east longitude (40).

#### District 14

The boundaries of the region pass along the line connecting the points with coordinates: 78°30' north latitude and 124°45' east longitude (37); 76°30'N and 125°00'E (45); 77°54'N and 105°23'E (40); 78°00'N and 103°15'E (29); Cape

Taimyr ( $78^{\circ}08' N$  and  $102^{\circ}48' E$  (36); further east along the coast of Bolshevik Island to Cape Evgenov ( $78^{\circ}18' N$  and  $104^{\circ}49' E$  (38) and to the initial point  $78^{\circ}30'$  north latitude and  $124^{\circ}45'$  east longitude (37).

#### District 15

The boundaries of the region run from the northern tip of the Danube Island in the Lena River Delta ( $73^{\circ}55'N$  and  $124^{\circ}30'E$  (39) along the line connecting the points with coordinates:  $74^{\circ}20'N$  and  $124^{\circ}20'E$  (44);  $74^{\circ}00'N$  and  $129^{\circ}00'E$  (46);  $72^{\circ}15'N$  and  $131^{\circ}00'E$  (47);  $72^{\circ}15'N$  and  $137^{\circ}00'E$  longitude (48);  $73^{\circ}00'$  north latitude and  $140^{\circ}00'$  east longitude (49); to Cape Svyatoy Nos ( $72^{\circ}52'$  north latitude and  $140^{\circ}43'$  east longitude (50); further west along the sea coast Laptev to the Danube Island.

#### District 16

The boundaries of the region run from Cape Anisii ( $76^{\circ}12' N$  and  $139^{\circ}08' E$  (51) Kotelny Island along the line connecting the points with coordinates:  $76^{\circ}30' N$  and  $125^{\circ}00' E$  (45);  $74^{\circ}20'N$  and  $124^{\circ}20'E$  (44);  $74^{\circ}00'N$  and  $129^{\circ}00'E$  (46);  $72^{\circ}15'N$  and  $131^{\circ}00'E$  (47) ;  $72^{\circ}15'$  north latitude and  $137^{\circ}00'$  east longitude (48);  $73^{\circ}00'$  north latitude and  $140^{\circ}00'$  east longitude (49); further to Cape Kigilyakh ( $73^{\circ}21'$  north latitude and  $139^{\circ}52'$  east longitude (52) of Bolshoy Lyakhovsky Island and to the point  $74^{\circ}23'$  north latitude and  $139^{\circ}00'$  east longitude (53); further to Cape Bear ( $74^{\circ}38'$  north latitude and  $139^{\circ}06'$  east longitude (54) along the western coast of Kotelny Island to Cape Anisii.

#### District 17

The boundaries of the region run from Cape Anisii ( $76^{\circ}12' N$  and  $139^{\circ}08' E$  (51) Kotelny Island along the line connecting the points with coordinates:  $77^{\circ}00' N$  and  $140^{\circ}30' E$  (55);  $78^{\circ}30' N$  and  $124^{\circ}45' E$  (37),  $76^{\circ}30' N$  and  $125^{\circ}00' E$  (45) to Cape Anisii.

#### District 18

The boundaries of the region pass along the line connecting the points with coordinates:  $73^{\circ}00'$  north latitude and  $140^{\circ}00'$  east longitude (49);  $73^{\circ}00'N$  and  $143^{\circ}40'E$  (56);  $72^{\circ}45'N$  and  $150^{\circ}00'E$  (57);  $71^{\circ}45'N$  and  $153^{\circ}30'E$  (58);  $71^{\circ}45'N$  and  $160^{\circ}00'E$  (59);  $71^{\circ}30'N$  and  $162^{\circ}30'E$  (60); to Cape Medvezhiy ( $69^{\circ}40' N$  and  $162^{\circ}27' E$  (61) on the coast of Chukotka; further west along the coast of the East Siberian Sea through the mouth of the Kondratiev River to Cape Svyatoi Nos ( $72^{\circ}52' N$  and  $140^{\circ}43'E$  (50) to the starting point  $73^{\circ}00'N$  and  $140^{\circ}00'E$  (49).

## District 19

The boundaries of the region pass along the line connecting the points with coordinates: 73°00' north latitude and 140°00' east longitude (49); 73°00'N and 143°40'E (56); 72°45'N and 150°00'E (57); 71°45'N and 153°30'E (58); 71°45'N and 160°00'E (59); 73°30'N and 160°00'E (62); 74°00'N and 147°00'E (63); 74°23'N and 139°00'E (53); further from Cape Kigilyakh (73°21' north latitude and 139°52' east longitude (52) Bolshoi Lyakhovsky Island to the starting point (49).

## District 20

The boundaries of the region pass along the line connecting the points with coordinates: 77°00' north latitude and 140°30' east longitude (64); 76°00'N and 160°00'E (65); 73°30'N and 160°00'E (62); 74°00'N and 147°00'E (63); 74°23'N and 139°00'E (53); to Cape Medvezhiy (74°38'N and 139°06'E longitude (54) of Kotelny Island, then along the western coast of Kotelny Island through Cape Anisii (76°12'N latitude and 139°08'E longitude (51) in starting point (64).

## District 21

The boundaries of the region run from the point with coordinates 78°30' north latitude and 124°45' east longitude (37) to the northeast along the boundary line of the Russian EEZ to the point with coordinates 74°45' north latitude and 169°30' east longitude (66); further along the line connecting the points with coordinates: 76°00' north latitude and 160°00' east longitude (65); 77°00'N and 140°30'E (64); 78°30'N and 124°45'E (37).

## District 22

The boundaries of the region pass along the line connecting the points with coordinates: 70°00' north latitude and 180°00' (67); 70°30'N and 178°00'E (68); 71°00'N and 170°00'E (69); 71°30'N and 162°30'E (60); to Cape Medvezhiy (69°40' N and 162°27' E (61); further east along the coast of Chukotka to the intersection with the 180th meridian and to the starting point (67).

## District 23

The boundaries of the region pass along the line connecting the points with coordinates: 73°30' north latitude and 160°00' east longitude (62); 70°30'N and



178°00'E (68); 71°00'N and 170°00'E (69); 71°30'N and 162°30'E (60); 71°45'N and 160°00'E (59); 73°30'N and 160°00'E (62).

#### District 24

The boundaries of the region pass along the line connecting the points with coordinates: 70°00' north latitude and 180°00' (67); 70°30'N and 178°00'E (68); 73°30'N and 160°00'E (62); 76°00'N and 160°00'E (65); 74°45'N and 169°30'E (66); 74°00'N and 173°00'E (76); 72°00' N and 180°00' (70); further south along the 180th meridian to Wrangel Island, then from the west along the coast of the island to the intersection with the 180th meridian in the south of the island, then to the starting point (67).

#### District 25

The boundaries of the region pass along the line connecting the points with coordinates: 70°00' north latitude and 180°00' (67); 70°00'N and 177°39'W (71); 68°00'N and 174°00'W (72); 66°16'N and 168°59'W (73); further to Cape Unikyn (66°22' north latitude and 170°35' west longitude (74) in Chukotka, further west along the coast to the intersection with the 180th meridian and to the starting point (67).

#### District 26

The boundaries of the area run from a point in the Long Strait with coordinates 70°00' N and 180°00' (67) to the point of intersection of the 180th meridian with the coastline in the south of Wrangel Island, then from the east side along the coast of the island to the intersection with the 180th meridian on north of Wrangel Island, further along the line connecting the points with coordinates: 72°00' north latitude and 180°00' (70); 71°45'N and 175°30'W (75); 66°16'N and 168°59'W (73); 68°00'N and 174°00'W (72); 70°00'N and 177°39'W (71); 70°00' N and 180°00' (67).

#### District 27

The boundaries of the region run from the starting point (the intersection of the 180th meridian and the border of the EEZ of the Russian Federation) to the east along the border line of the EEZ of the Russian Federation to the intersection with the meridian of 168°59' west longitude; further south along this meridian to a point with coordinates 66°16' north latitude and 168°59' west longitude (73); further along the line connecting the points with coordinates: 71°45' north latitude and 175°30' west longitude (75); 72°00' N and 180°00' (70); 74°00'N and 173°00'E (76); further

to the northeast along the border line of the EEZ of the Russian Federation until the intersection with the 180th meridian; further to the starting point.

#### District 28 (the Bering Strait)

The boundaries of the region run from Unikyn Cape ( $66^{\circ}22'$  N and  $170^{\circ}35'$  W (74) on the coast of Chukotka to a point in the Bering Strait with coordinates  $66^{\circ}16'$  N and  $168^{\circ}59'$  W (73); further to the south to the point  $65^{\circ}26'$  north latitude and  $168^{\circ}59'$  west longitude; further to the west to Cape Kriguigun ( $65^{\circ}28'$  north latitude and  $171^{\circ}03'$  west longitude (78) on the coast of Chukotka, further to the north along the coast of Chukotka to Unikyn Cape (74).

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