



Providing Search and Rescue Services in the Arctic Region

Yury Malyshev

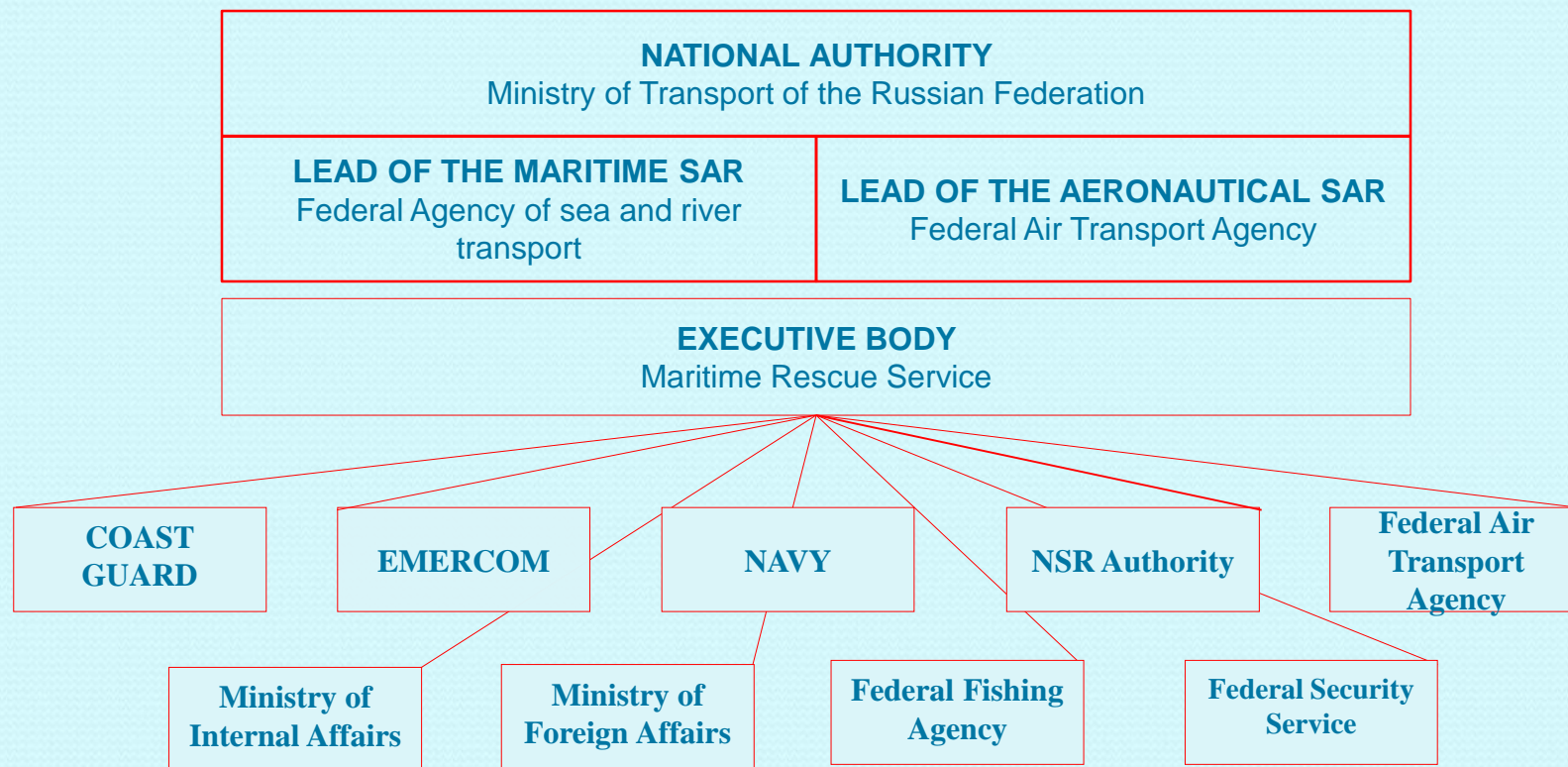
Deputy head of Main MRCC of the Marine Rescue Service

Fifth Annual Meeting of the Arctic Shipping Best Practice Information Forum

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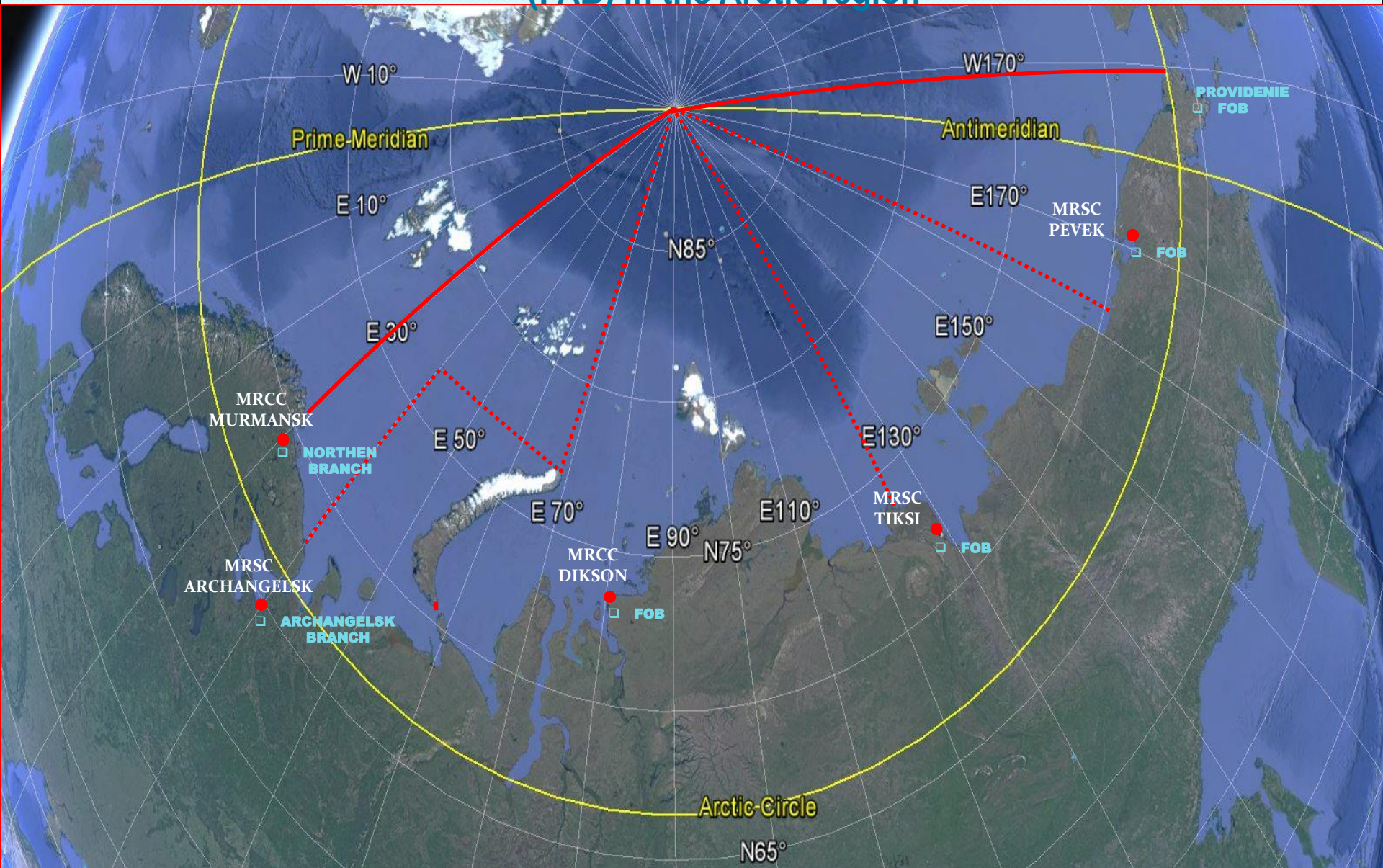
SAR system of Russian Federation



The maritime SAR system in the Russian Federation is based on interaction and coordination between the various federal and/or regional services and private companies



Location of the MRCC/MRSC, branches of the MRS and Forward Operating Bases (FAB) in the Arctic region



Reserves of emergency supplies and oil-spill equipment in the Arctic region



Four Forward Operating Bases with Emergency supplies and oil-spill equipment on shore had been established along Arctic coast according Minister's order on the "Provision of the emergency rescue providing in maritime transport " 07 June, 1999 № 32



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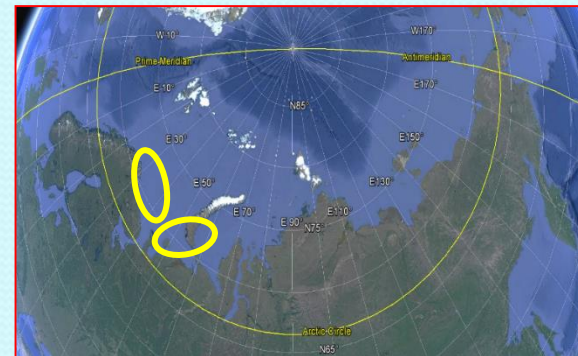
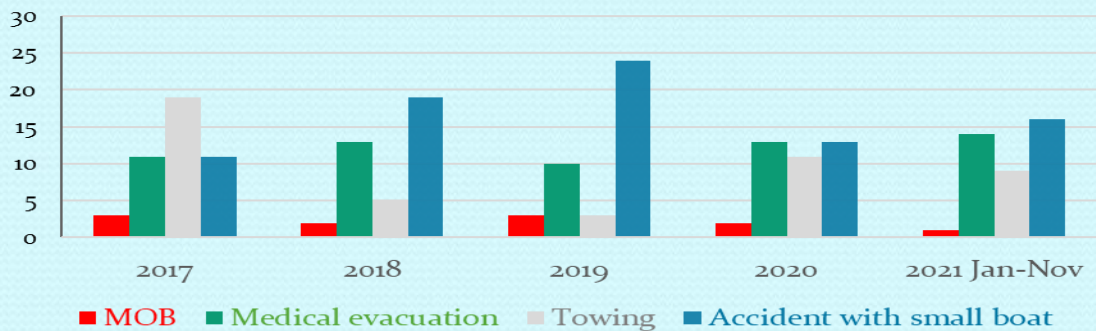


Basic nation and international SAR legislation

- 1982 United Nations Convention on the Law of the Sea (UNCLOS III)
- 1979 International Convention on Maritime Search and Rescue (SAR Convention)
- 1994 Convention on International Civil Aviation (Chicago Convention)
- 2016 International Aeronautical and Maritime Search & Rescue Manual (IAMSAR Manual)
- 2011 Agreement on Cooperation on Aeronautical and Maritime Search and Rescue in the Arctic
- 2015 IMO's Polar Code through amendments to SOLAS, MARPOL, and STCW Conventions
- bilateral intergovernmental agreements on cooperation on aeronautical and maritime SAR
- GD on the "State System of Preparedness and Response to Emergencies" 30 December, 2003 № 794
- GD on the "Rules on crossing of State border by foreign rescue units for a SAR" 4 September, 2000 № 654
- GD on the "Plan of interaction of the Federal executive authorities while SAR operation within the national SAR region" 25 November, 2020 №1928 (National SAR plan)
- Minister's order on the "Functional system of SAR services (both Russian and foreign) while SAR operation within the national SAR region" 26 November, 2007 № 169
- Minister's order on the "Provision on MRCC/MRSC" 20 August, 1999 № 57
- Minister's order on the "Provision of the emergency rescue providing in maritime transport" 07 June, 1999 № 32

Statistic of incidents

Common types of incidents



Training and exercises

Icebreaking cruise vessel «Le commandant Charcot», PC2 Ice Class

25th February 2021. Table Top Exercise

08th September 2021. Live SAREX

Objectives:

- to test the Polar survival equipment;
- to verify ship safety protocol in order to comply with the requirement of the Polar Code;
- to train crew to set up the polar survival camp in extreme remote area for a MRO with participants/observers for 24 hours;
- to set up the hospital shelter on the ice, in order to supply medical care & establish a triage & test the telemedicine support;
- to checkout the ability of the MRCC of the Arctic countries to handle a MRO nearby the North Pole;
- to evaluate the challenge & constraints to survive for a long period (at least 24 hours) in an polar environment;
- to determine the challenges, constraints and opportunities in a medical evacuation near the North Pole and to ensure all can be safe and protected until rescue arrives by professional SAR responders;
- Identify, evaluate and confirm communications means used and procedures followed with rescue services and between ship-based personnel, vessel, small boats and shore camp personnel.



Training and exercises

SAREX "BARENTS"

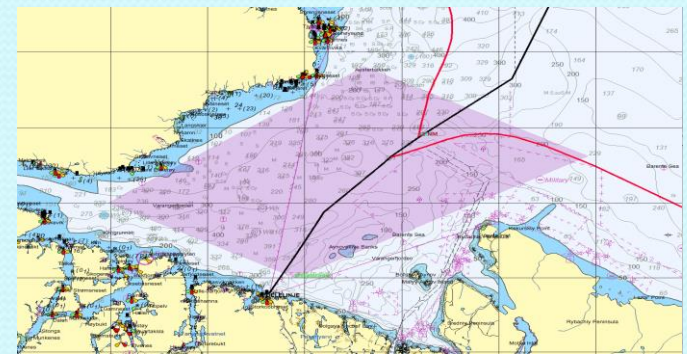
02th June 2021

Objectives:

- to implement the bilateral agreements to enhance and further develop SAR and OSR cooperation in the Barents Sea to enhance the coordination of maritime incident response operations in the region by strengthening the collaborative dynamics between relevant assets of both countries;
- to contribute to the improvement of the coordination of maritime incident response operations in the 6 Barents Sea region by strengthening the collaborative dynamics between MRCC Murmansk and JRCC North Norway;

Subordinate objectives:

- Correct international (bilateral) notification and request for assistance;
- Correct and effective request for, and reply to border crossing clearances;
- Exchange of Norwegian and Russian liaisons through transfer between agreed vessels in the exercise area;
- Effective exercise control, exchange of information, and coordination of the scenarios (SAR and OSR). Reporting formats (SITREP and/or POLREP system) to be used in accordance with established procedures;
- Safety conducted of SAR operations;
- Proper initial notification / reply to notification;
- Effective On-Scene Coordination (SAR) / On-Scene Command (OSR);
- Effective coordination of participating aerial resources, utilizing the Aircraft coordinator (ACO) function;
- Effective search planning and search operations at sea;
- Effective communications between units



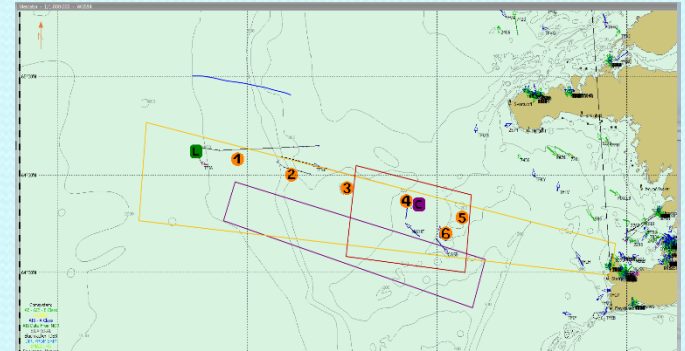
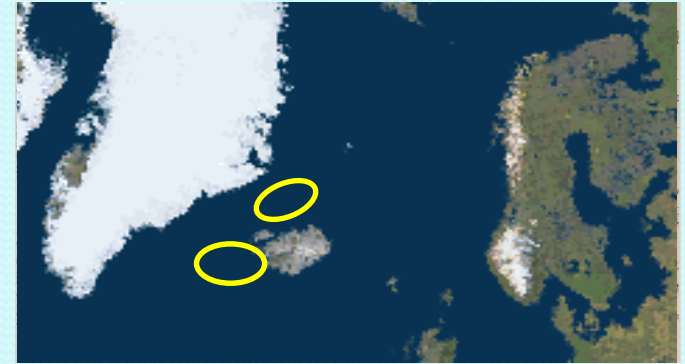
Training and exercises

SAREX "Arctic Guardian 2017"

05-07 September 2017

Objectives:

- to demonstrate of the ability to collaborate in the Arctic;
- to enhance the nations capability to respond to any maritime SAR operation;
- to learn from each other/exchange of knowledge and procedures;
- to show and promote shared to commitment in enhancing the Arctic Nations ability to conduct combined SAR operations in the Arctic;
- to test and evaluate the Guidelines for Combined Operations;
- to gain experience with integration of multi-national resources into combined SAR operations;
- to communications: ship-to-ship, ship-to-aircraft, ship-to-shore, aircraft-to-aircraft, RCC to RCC;
- to coordination of units and search patterns in cooperation with JRCC;
- to coordinate and exchange information between RCC;
- to establish Command and Control structure that coordinates multi-national assets;
- to demonstrate and evaluate the use of an information-sharing system(s);
- to maneuvering in new operational area(s);
- to maximize interoperability between units, including aircraft;





Thanks for your attention