



## **«The main directions of the development of the Lighthouse authorities of the Russian Federation Defense Ministry»**

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**The Department of Navigation and Oceanography  
of the Russian Federation Defense Ministry**

# The actual state of Aids to Navigation (AtoN)

4 585 items of navigation equipment

2 736 fixed AtoNs

161 lighthouses  
with serving stuff

130 automatic  
lighthouses

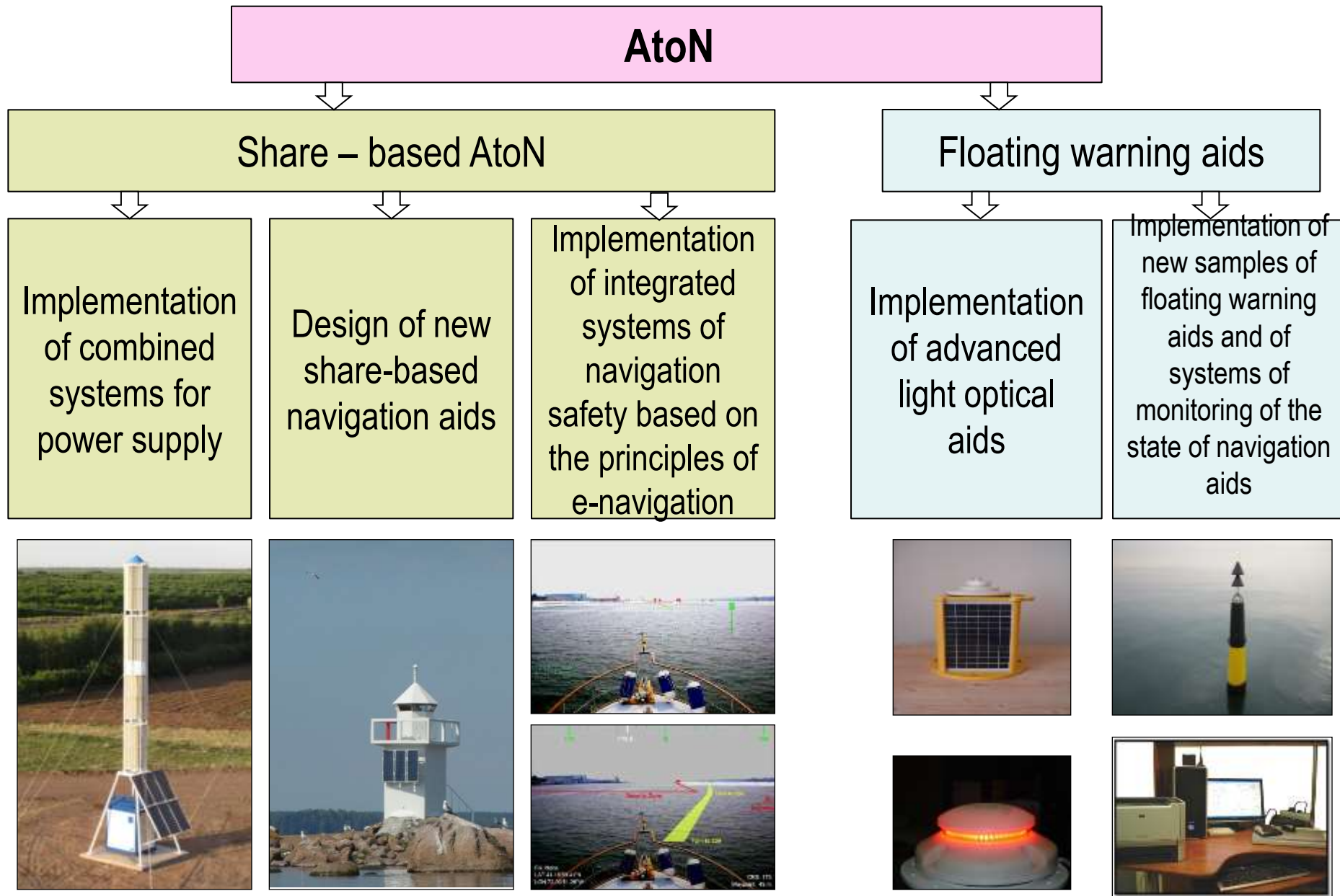
2 445 AtoNs

Serve for determine ship's position in the sea

1 849 floating warning aids

Serve for marking navigational  
hazards, channels, fairways







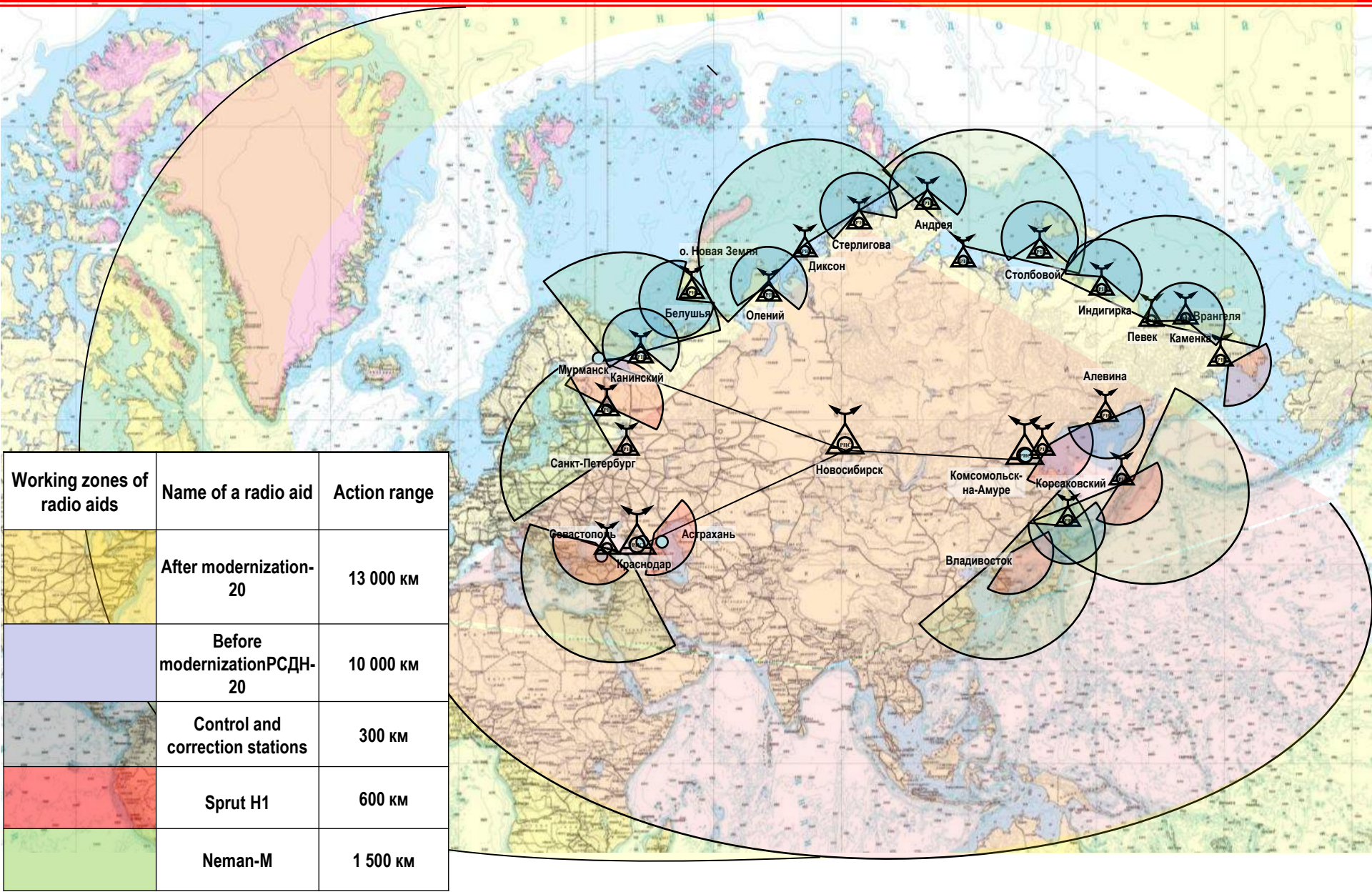
# Development of the network of control and correction stations of the marine local differential system GLONASS

4





# Development of the radio technical navigation aids





**Thank you for your attention**

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