

Air space, overwater and ground space monitoring system

Air space, overwater and ground space monitoring system (Monitoring system) is designed to monitor the air, overwater and ground space in order to prevent illegal immigration, smuggling, unauthorized extraction of marine bio resources, violations of the border regime and the rules of shipping, piracy and terrorist activities. The monitoring system can automatically track up to 500 objects of observation, including 200 aircraft, 100 mobile, 100 stationary, 100 overwater objects. These relations can be quickly changed. In addition, it provides collection, processing and storage of data about the objects of monitoring, and detection of violations of the rules of use of air space, overwater and ground space. The monitoring system includes: intelligence means; complexes of automated and automatic data collection and processing; means of communication and connection (Fig. 1).



Fig. 1. Elements of the monitoring system

The main element of the monitoring system is the Information Processing Centre (IPC) which provides: system management; monitoring of the air space, ground and overwater area; delivery of information to consumers; display of air, ground and overwater conditions; documentation of data (information); training of IPC officials (operators); solution of settlement-graphic and accounting and planning tasks; reception and transmission of data (information); information protection; administration.

The monitoring system can be used for the protection of coastal and marine areas, administrative and industrial critical facilities.

At present, air space, overwater and ground space monitoring system runs experimental tests.