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VNIIRA.

AIR TRAFFIC MANAGEMENT
SYSTEMS AND AIDS

Complexes of Air Traffic
Control Automation Aids

Air Surveillance Aids

Navigation and
Landing Radio Systems

Weather Radar Systems

Airborne Navigation and
Landing Equipment

Antenna and Feeder
Systems and Devices

Automated Flight
Test System (ASLK)

ATC Training Systems



AIR TRAFFIC MANAGEMENT
SYSTEMS AND AIDS

Air Surveillance Aids

EQUIPPING OF THE REPUBLIC OF CUBA with airspace surveillance aids





EQUIPPING OF THE REPUBLIC OF CUBA with airspace surveillance aids

In October 2011 the specialists of VNIIRA successfully completed four-year ambitious program for equipment of air-navigation service of the Republic of Cuba with airspace surveillance facilities.

As part of the program 6 Aurora Monopulse Secondary Surveillance Radars with Expanded Surveillance Functions in ADS-B 1090 ES Mode were delivered. Thereby, the air traffic control over the entire territory of the Republic of Cuba was provided (both via location channel and ADS-B 1090 ES channel.)

The distance from the westernmost installation point (San Julian) up to the easternmost point (Holguin) is more than 1000 kilometers; Aurora MSSRs are also located in Camaguey, Menocal, Havana and Santa Clara.



MSSR with Aurora ADS-B 1090 ES function is executed based on up-to-date advances in the area of software and hardware technology development and it allows to monitor up to 500 aircrafts at a distance of more than 450 km and at an altitude of up to 20,000 m.

This project is very important for the Republic of Cuba and it is confirmed by reviews of foreign committees which took part in radar acceptance tests on each point and appreciation of ICAO members who were present during radar commissioning in Menocal.



Besides the implementation results of technical solutions used in Aurora MSSR were presented by VNIIRA specialists on ICAO regional conference in Mexico City, Mexico in 2011.



AIR TRAFFIC MANAGEMENT
SYSTEMS AND AIDS



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