

Romania Next Gen Implementation Program

Stakeholders

ROMATSA (Romanian Air Traffic Services), U.S. Trade and Development Agency

Key Services

- Airspace Analysis
- Technology Assessment
- Project Development
- Financial and Economical Analyses

Project Highlights

The project is aimed at evaluating an implementation program for the application of ADS-B and LAAS airspace technologies throughout Romania to respond to capacity constraints and comply with EUROCONTROL ATM 2000+ Strategy and ATM Master Plan. This project ensures that surveillance, data communications, traffic flow management, and performance based navigation in Romania conform to a global standard of performance to as to achieve a global seamless Air Traffic Control system.

Description

Romania is a member of the Single European Sky (SES), and as such has agreed to make numerous technological changes in their infrastructure so as to create a seamless and unified European and Global Air Traffic Control network affording unrestricted flow of air traffic that is harmonious with all other air traffic control systems. As part of this program, Romania joined in 2004 with Bulgaria to create a Functional Airspace Block (FAB) called the Danube FAB.

The objective of the study developed by KED Group is identifying, evaluating, and recommending the technology or combination of technologies that would be most adequate for optimization efforts to enhance surveillance capacity throughout the country. A recent initiative to develop a Functional Airspace Block (FAB) with Bulgaria, the Danube FAB, opens new airspace configuration possibilities to respond to future air traffic growth through the modernization of communication, navigation, surveillance and air traffic management (CNS/ATM) systems. As such, the ROMATSA will implement in the short and medium term a number of planned upgrades to the current ground infrastructure and aircraft systems. The program will introduce the most modern technologies to enhance operational capabilities and increase the efficiency of the system. This study will allow ROMATSA to identify modernization and improvement priorities and determine if the current facilities can be modernized in a sustainable manner given the forecasted air traffic.

ROMATSA is interested in assessing the suitability of Automatic Dependent Surveillance – Broadcast (ADS-B) and Multi-Lateration (MLAT), Mode S secondary radar or a combination of systems.

