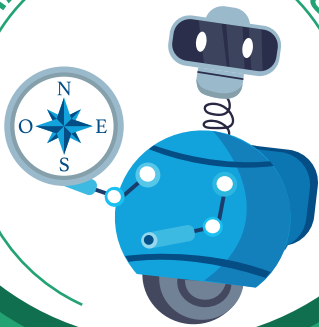


# AIRSPACE MANAGEMENT & DESIGN SPECIALIST



## JOB DESCRIPTION

An Airspace Management & Design Specialist ensures the safe and efficient use of airspace for commercial, military, and general aviation. Responsibilities include airspace design, regulatory compliance, technological integration, environmental impact mitigation, and risk assessment. The role requires balancing diverse airspace user needs while maintaining safety and efficiency.

## SALARY

€€

## DAILY ROUTINE

The daily routine involves monitoring airspace, analyzing congestion, and planning new routes or procedures. Specialists coordinate with regulatory bodies, manage airspace projects, and solve operational issues like rerouting aircraft during emergencies. Risk assessments, team collaboration, and regulatory updates are key tasks. Administrative duties include reporting and documenting progress.

## IMPACT ON PRIVATE LIFE

The role offers career satisfaction, travel opportunities, and networking but can be demanding. Work-life balance may be affected by tight deadlines, frequent travel, and high responsibility for airspace safety. The job requires focus, dedication, and adaptability.

## SKILLS AND COMPETENCIES

Key skills include knowledge of aviation regulations, air traffic control operations, and navigation systems. Proficiency in GIS, simulation tools, and air traffic modeling is crucial. Strong analytical and problem-solving skills are needed to balance efficiency, safety, and environmental concerns.

## SELECTION CRITERIA

Candidates need expertise in airspace design, aviation safety, and regulatory compliance. A degree in aviation-related fields is essential, with advanced degrees preferred. Certifications (ATC, aviation safety, project management) enhance qualifications. Practical experience in airspace design, regulatory collaboration, and airspace capacity management is required. Knowledge of SESAR/NextGen, AI, and automation is highly valued. Strong soft skills in problem-solving, communication, and leadership ensure effective airspace management.

# Engage 2



Co-funded by  
the European Union

This project has received funding from the SESAR Joint Undertaking under the European Union's Horizon Europe research and innovation programme under grant agreement No 101114648.

## EDUCATION

Bachelor's in aviation, ATM or related field; master's often follows.

## YEARS OF TRAINING REQUIRED

It takes 6–8 years. A bachelor's in aviation, air traffic management, or aerospace engineering (4 years) is required. Gaining industry experience in air traffic control or airspace-related roles takes additional years. Specialized training or certifications in airspace management may be needed.