

# **Meteorological Services (MET) and Search and Rescue (SAR) Specialist**

**Department:** Air Navigation  
**Employment Type:** Full-Time

## **About the Role**

As a State Aviation Regulator, we seek a Meteorological Services (MET) and Search and Rescue (SAR) Specialist to strengthen our oversight of critical en-route and aerodrome services that ensure the safety, regularity, and efficiency of international civil aviation. The ideal candidate is an experienced aviation professional with strong expertise in meteorology, search and rescue operations, and ICAO regulatory frameworks. This role is essential to ensuring the State's compliance with ICAO Annex 3 (Meteorology) and Annex 12 (Search and Rescue), and for maintaining an effective national system that provides accurate, timely, and reliable MET services and SAR readiness.

## **Key Responsibilities:**

### **Meteorological Services (MET)**

- Conduct oversight, inspections, audits, and surveillance of State-designated aeronautical meteorological service providers to ensure compliance with ICAO Annex 3, Doc 8896 (Manual of Aeronautical Meteorological Practice), and WMO/ICAO standards.
- Verify provision and quality of aeronautical meteorological information, including METARs, TAFs, SIGMETs, AIRMETs, volcanic ash and tropical cyclone advisories, ensuring timely global data exchange for international air navigation.
- Assess contingency planning and backup arrangements for MET data and services, including system reliability and communication redundancies.
- Monitor the training, competency, and certification of aeronautical meteorological personnel in accordance with ICAO/WMO standards and ICAO Doc 10070 (Inspector Competency Framework).
- Review and approve documentation, technical manuals, and service-level agreements related to MET provision, ensuring alignment with ICAO Annex 19 and safety management principles.
- Collaborate with international and regional MET agencies and participate in ICAO/WMO regional groups to strengthen State compliance and harmonization.

### **Search and Rescue (SAR)**

- Conduct oversight, inspections, and evaluations of the national Search and Rescue system, including Rescue Coordination Centres (RCCs), sub-centres, and SAR units, in compliance with ICAO Annex 12 and the IAMSAR Manual (Doc 9731, Vols I–III).

- Assess adequacy of SAR plans, procedures, staffing, training, and resources; verify integration of RCCs with Air Traffic Services (ATS), meteorological providers, military, maritime, and emergency agencies.
- Monitor and evaluate readiness of SAR assets (aircraft, vessels, equipment), ensuring availability and compliance with international standards.
- Lead and support post-incident investigations, SAR exercises, and simulations, preparing evaluation reports, identifying gaps, and recommending corrective actions.
- Review and approve SAR operational manuals, contingency procedures, and inter-agency agreements to ensure effectiveness of the national SAR system.
- Facilitate capacity-building for SAR personnel, including training, drills, and cross-agency coordination exercises, aligned with ICAO Doc 9377 (SAR Manual) and Annex 19 (SMS).

### **Essential Requirements**

- Bachelor's degree in Meteorology, Aviation Science, Air Traffic Management, Aeronautical Engineering, or related technical field.
- Minimum 5 years' progressive experience in aviation meteorology, air navigation services, or SAR operations, with at least 3 years in a regulatory, operational, or oversight role.
- Proven knowledge and application of:
  - ICAO Annex 3 (Meteorology), Annex 12 (Search and Rescue), Annex 11 (Air Traffic Services), and Annex 19 (Safety Management).
  - ICAO Doc 8896 (MET Manual), Doc 9377 (SAR Manual), and Doc 9731 (IAMSAR Manual).
  - Safety oversight frameworks (USOAP CMA, SSP).
- Demonstrated ability to coordinate with multiple stakeholders, including civil aviation, maritime, military, and emergency response agencies.
- Strong knowledge of aeronautical information exchange, MET data systems, SAR operational requirements, and inter-agency coordination.

### **Preferred Qualifications**

- Certification in aviation meteorology, SAR coordination, or equivalent training from ICAO/WMO-recognized institutions.
- Experience conducting audits, inspections, or investigations in MET or SAR service provision.
- Familiarity with ICAO regional planning and implementation groups (PIRGs, MET/SAR subgroups).
- Experience working in multi-stakeholder or international aviation safety environments.
- Proven ability to deliver technical training and capacity-building initiatives.

## **Core Competencies**

- **Technical Expertise:** Strong understanding of MET and SAR service provision, hazard identification, and risk management, with ability to apply technical knowledge to oversight activities.
- **Analytical Thinking:** Ability to assess system performance, analyze deficiencies, and recommend effective regulatory or operational improvements.
- **Communication Skills:** Excellent oral and written communication skills, able to engage effectively with stakeholders across aviation, maritime, military, and emergency response sectors.
- **Collaboration & Coordination:** Skilled in building inter-agency cooperation and fostering international collaboration.
- **Integrity & Professionalism:** Upholds high ethical standards, demonstrating transparency, fairness, and objectivity in regulatory oversight.
- **Resilience & Adaptability:** Performs effectively under pressure, particularly during SAR operations or aviation emergency situations.