



EXTERNAL VACANCY

The Eswatini Civil Aviation Authority (ESWACAA), a Category A public enterprise invites suitably qualified, well-experienced and open-to-learning candidates to apply for the position of **Senior Air Traffic Engineering Systems Technician – Voice and Data Communications**.

The position reports to the Principal Air Traffic Engineer and is tenable at KMill International Airport (Sikhuphe).

1. JOB PURPOSE:

The position is responsible for the day-to-day performance of maintenance work and supervision of the operation of Air Traffic Services Voice and Data Communications equipment/systems for the period of their watch.

The incumbent will:

- Supervise the installation of new systems and replacement of equipment including VHF radio equipment, UHF radio equipment, Digital Voice Recording equipment, VCCS equipment, VSAT, Telephone lines, Hotlines and auxiliary equipment.
- Conduct backups to ATS Voice and Data Communication and configurations as required.
- Bring back to service failed equipment within the prescribed acceptable recovery time.
- Inspect and preserve proper inventory for Voice and Data Communication Spares and notify ATE management of the need to replenish used spares.
- Interpret system/equipment technical drawings required for the installation and operation of equipment.
- Supervise Periodic Equipment Inspection for all systems under the ATE department Communication, Navigation and Surveillance (CNS), Air Traffic Management (ATM), Meteorology (MET) and Optic Fibre Network Equipment for the duration of their watch.
- Supervise and verify radio communication range checks and produce reports to ATE management.
- Replace faulty (out-of-service) equipment modules and complete repairs on the field.
- Analyse and develop solutions to complex electronic problems.

- Conduct work in accordance with applicable Civil Aviation Regulations, Manual of ANS standards, CNS Manual, Civil Aviation Circulars, Civil Aviation Orders, and other relevant local procedures.
- Perform all departmental activities in accordance with Standard Operating Procedures (SOPs) as prescribed in the CNS Manual, Manual of Air Navigation Service Operations (MANSOPs) and applicable ESWACAA ANS Regulations.
- Operate test equipment to diagnose, locate and repair equipment malfunctions.
- Maintain a legible and accurate account of the day's events in the Engineering Logbook and familiarize themselves with previous entries.
- Monitor the status of the safety-related equipment to detect any degradation of normal operation.
- Produce reports on Equipment failure diagnosis in accordance with Maintenance Procedure and on shift work.
- Perform risk assessments for any service interruption due to faulty equipment and prepare reports to Principal ATE for risk management.
- Participate in Workforce planning.
- Participate in Training and development of staff based on identified training needs.

2. QUALIFICATIONS AND EXPERIENCE:

The ideal candidate must meet the following minimum requirements:

(i) Qualification

- 3 Year-National Diploma in Electrical and Electronics Engineering or Telecommunications or equivalent from a recognised institution
- Certification/Rating for relevant ATS Data Communications Equipment

Added Advantage

- A bachelor's degree in Electrical/Electronic Engineering with a major in Telecommunication or Equivalent from a recognised institution

(ii) Work Experience

- A minimum of 3 years of experience working in a similar or related function.

(iii) Other requirements

- Full Aviation Security Clearance.

3. SKILLS, KNOWLEDGE, AND PERSONAL ATTRIBUTES:

The ideal candidate must demonstrate the following competencies, knowledge, and personal attributes:

- Sound supervisory, time management, interpersonal, problem-solving, and decision-making skills.
- Possess analytical skills, problem-solving skills, and interpersonal skills.
- Quality Management skills
- Have Maintenance Management skills.
- Have effective communication and coordination skills.
- Have Sound knowledge of:
 - Electrical and electronic maintenance and repair techniques.
 - Digital Electronics and RF Communication systems
 - Regulatory provisions for Communication Navigation and Navigation Systems
 - Relevant ICAO Standards and Recommended Practices.
- Working knowledge of ICAO Annex 10
- Working knowledge of the Microsoft Office suite, Linux operating system, engineering design applications, programming languages, data networks, and computer equipment
- Knowledge of ESWACAA CNS/ATM system operations.
- Have applicable knowledge of airport and navigation facility design, construction, and maintenance.
- Applicable knowledge of Occupational Health and Safety and Safety Management System policies and manuals

Applications with complete up-to-date Curriculum Vitae and certified copies of academic certificates/professional accreditation, should be emailed to recruitment@eswacaa.co.sz no later than **Friday, 8th September 2023**. Please quote the position of **Senior Air Traffic Engineering Technician – Voice and Data Communications** in the email subject line. Only shortlisted candidates will be contacted.

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Only emailed applications are admissible.