

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Forestry, Fisheries and Environment (DFFE) and is governed by a Board. The organisation is an authoritative voice for weather and climate related services in South Africa and is a member of the World Meteorological Organisation (WMO) to fulfil a range of international obligations of the government. South African Weather Service (SAWS) strives to be a Weather and Climate Centre of Excellence providing innovative solutions to ensure a weather-smart region, sustainable development and economic growth.

The South African Weather Service (SAWS) is therefore seeking to appoint an efficient and enthusiastic person to undertake the role of:

RADAR Specialists X3

Total salary package: Negotiable

(Ref.WS02/022024)

Centre: KwaZulu Natal (Durban), Western Cape (Cape Town) and Eastern Cape (East London/Mthatha)

Job Summary and Key Performance Areas:

The Specialist: Radio frequency and Detection Range (RADAR, Regional) Network is essentially responsible for the operation of the radars within the respective regions in South Africa:

- RADAR and peripheral Maintenance and Calibration,
- Assembly, Installation, Repairs and Upgrade
- Software Development and Back-up, thus have advanced ICT Skills
- Multi-discipline in Engineering
- Understanding of General Machinery Rules and Regulations, thus ensuring compliance
- Record Keeping, Compilation and Updating
- Research on new and developing Radar Technology

The Specialist RADAR Network: Regional, may also be requested to partake in the following SAWS networks including, but not limited to the following:

- Radar Technology and trend upkeep, technology research
- Frequency Management and its impact on Weather RADAR Technology.

- Heavy Current Electrical Circuitry and Reticulation, such as LV, MV (up to 11KV 3 phase circuits),
- Switchgears, Automatic Voltage Regulators (AVRs), Transmission lines and Substation.
- Air-conditioning and Refrigeration
- Diesel Generator and Uninterrupted Power Supply (UPS) Technology
- Lightning Detection Network
- Web-Based Camera (WEBCAM) Network
- Surface Observations Network [(which includes the Automatic Weather Stations (AWSs);
- Automatic Rain Gauge Systems (ARs); Manual Stations; and Biomet Stations)]
- Upper Air Sounding Network (which includes the Hydrogen Generators and Tracker System)
- Renewable Energy (Wind and Solar Power) Technology and its impact on Weather RADAR
- Technology.
- Solar Radiation Technology
- Network promotion and expansion
- Audit and Risk Management Skills

The functions require a broad scope of basic ICT electronic knowledge and skills.

The Specialist, RADAR Network: Regional shall also:

- provide training on the operation of network nodes and instrumentation to SAWS staff and commercial clients with the aim of enabling competence in installation, routine maintenance, as well as
- the development of documentation to support the activities mentioned above and maintain.
- the necessary records to prove system adherence and compliance with documented requirements.
- transfer skills to the Regional Senior Technologists and Technicians.

Minimum Requirements and Attributes:

- A Degree in Electrical Engineering (NQF 7 – 8: B-Tech, B-Eng, BSc).
- Minimum of 3 years' relevant technology experience, post qualification.
- Minimum of 5 years' other engineering or technology experience.
- Well-versant in specific technology application (thus, Original Equipment Manufacturer, OEM, trained).
- If registered with the Engineering Council of South Africa (Candidate or Professional Category), ECSA recognised Voluntary Engineering Body may be considered as added advantage.

Please Note:

Enquiries for the above-mentioned positions must be directed to: Mr. Denny Maluleke, at Tel. (012) 367 6091.

Register as user on our website using this link: <https://www.weathersa.co.za/home/vacancies> to apply for the above position and upload your (Comprehensive CV with certified copies of qualifications).

Closing Date: 15 February 2024

Note: Recruitment Agency applicant submissions will not be considered

Preference will be given to People living with disabilities in line with SAWS EE targets. This is an EE position and preference will be given to **African & Indian Males, African, Coloured and Indian Females.** Correspondence will be limited to short listed candidates only. Candidates who have not been contacted within 3 months after the closing date of this advertisement, please accept that your application was unsuccessful. The organisation reserves the right not to fill this position. The South African Weather Service is an equal opportunity employer.

Record Reference	HCM-ADVERT-RADAR022024
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