

Job Description

Job Title: SENIOR Engineer – Access MW Radio	Employer: Telikom Limited
Job Code: JD – SE-AMWR	Job Grade:
Department: Engineering Design & Planning	Job Location: HQ/TL Rumana
Revision Date: 12/03/2024	Equal Employment Employer

Job Summary

As a Senior Engineer – Access MW Radio, you will be responsible for the design, planning, and optimization of microwave radio access networks to ensure efficient, reliable, and scalable connectivity solutions. This role involves evaluating network performance, implementing innovative engineering solutions, and collaborating with cross-functional teams to achieve operational excellence. You will also ensure compliance with technical standards and industry best practices while supporting the deployment and maintenance of MW radio systems.

Main Duties and Responsibilities

1. Network Design & Planning:

- Develop and optimize microwave radio access network designs to meet connectivity and capacity requirements.
- Analyze coverage, interference, and signal propagation to ensure efficient network operations.
- Select and integrate MW radio equipment to align with industry standards and technological advancements.

2. Access Management & Optimization:

- Oversee link budget analysis, frequency planning, and network configuration to ensure seamless connectivity.
- Perform performance evaluations to troubleshoot and enhance network efficiency.
- Work on traffic engineering and network load balancing to optimize network utilization.

3. Monitoring & Incident Response:

- Monitor and analyze MW radio network performance, addressing anomalies and faults proactively.
- Utilize diagnostic tools to troubleshoot and resolve connectivity issues efficiently.
- Document incidents, network changes, and optimization efforts for continuous improvements.

4. Collaboration & Technical Support:

- Coordinate with RF engineers, field technicians, and network specialists to maintain network integrity.
- Provide technical guidance to junior engineers and technicians on MW radio network operations.
- Work alongside regulatory bodies and vendors to maintain compliance with industry standards.

5. Continuous Improvement & Training:

- Conduct regular audits and technical assessments to identify areas for network enhancement.
- Participate in training programs to stay updated on emerging MW radio technologies and methodologies.
- Develop innovative solutions for network expansion and modernization.

Key Skills & Competencies

- RF Design & Microwave Planning
- Network Performance Analysis & Optimization
- Problem-Solving & Technical Troubleshooting
- Communication & Collaboration Skills
- Project Management & Technical Documentation
- Knowledge of MW Radio Transmission Equipment
- Regulatory Compliance & Industry Standards

Reporting Relationships

The Senior Engineer – Access MW Radio reports to Access MW Team Leader Radio NCD

Qualification/Experience/Attributes

- Bachelor's Degree in Electrical/Electronic Engineering, Telecommunications, or a related field.
- 5+ years of experience in MW radio network planning, implementation, and optimization.
- Strong knowledge of RF propagation principles, link budgeting, and microwave transmission technologies.
- Expertise in network monitoring tools, troubleshooting techniques, and performance analysis.
- Ability to lead projects, coordinate with teams, and drive technical improvements in MW radio systems.

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization