

## Job Description

<b>Job Title: SENIOR Engineer Fixed IMS &amp; Core MSAN</b>	<b>Employer: Telikom Limited</b>
<b>Job Code: JD - SEFIMSCMSAN</b>	<b>Job Grade:</b>
<b>Department: Access Network Operations</b>	<b>Job Location: HQ/TL Rumana</b>
<b>Revision Date: 12/03/2024</b>	<b>Equal Employment Employer</b>

## Job Summary

As a Senior Engineer Fixed IMS & Core MSAN in the Engineering Design & Planning division at Telikom - NCD, you will play a critical role in designing, implementing, and optimizing the IP Multimedia Subsystem (IMS) and Multi-Service Access Network (MSAN) infrastructure. Your responsibilities will include network planning, troubleshooting, capacity management, and ensuring high availability of core fixed-line services. You will collaborate with cross-functional teams to enhance network performance, drive innovation, and maintain compliance with industry standards.

## Main duties/responsibilities include;

- **Network Design & Optimization:** Plan, design, and optimize IMS & MSAN core networks to ensure scalability, reliability, and efficiency.
- **Implementation & Upgrades:** Lead deployment, integration, and upgrades of IMS, VoIP, and MSAN platforms, ensuring minimal service disruption.
- **Troubleshooting & Maintenance:** Diagnose and resolve complex network faults, perform root cause analysis, and implement preventive measures.
- **Capacity Planning:** Monitor traffic trends, forecast capacity requirements, and recommend network expansions to meet future demands.
- **Vendor & Stakeholder Coordination:** Liaise with equipment vendors, service providers, and internal teams to ensure seamless project execution.
- **Documentation & Compliance:** Maintain accurate network diagrams, configurations, and compliance with regulatory and security standards.
- **Performance Monitoring:** Utilize network management tools (e.g., PRTG, Wireshark) to analyze KPIs and ensure optimal service quality.
- **Process Improvement:** Identify inefficiencies in network operations and propose automation or optimization strategies.
- **Mentorship:** Provide technical guidance to junior engineers and support staff.

## Key Skills & Competencies

- **Technical Expertise:** In-depth knowledge of IMS architecture, SIP, VoIP, MSAN technologies, and IP networking.
- **Problem-Solving:** Strong analytical skills to troubleshoot complex network issues.
- **Project Management:** Ability to lead projects from design to implementation.
- **Communication:** Effective collaboration with technical and non-technical stakeholders.
- **Innovation:** Stay updated with emerging technologies (e.g., NFV, SDN).

## Reporting Relationships

The Senior Engineer Fixed IMS & Core MSAN will report to Team Leader Fixed IMS & Core MSAN – NCD.

## Qualification & Experience

- Bachelor's degree in Telecommunications, Electrical Engineering, or related field.
- 5+ years of hands-on experience in IMS, Core Networks, or MSAN deployments.
- Certifications (preferred): Cisco (CCNP/CCIE), Juniper, or Huawei (HCIP/HCIE).
- Proficiency in protocols (SIP, Diameter, MGCP), network analyzers, and scripting (Python, Bash).
- Familiarity with regulatory standards and vendor-specific equipment (e.g., Huawei, Nokia, Ericsson).
- Strong documentation and reporting skills.

**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.