

## JOB TITLE: MSC Engineer

**REPORTS TO: Operations Manager**

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### **RECOMMENDED MINIMUM REQUIREMENTS**

#### **EDUCATION**

Degree in Electrical Engineering/ Telecommunication Engineering/Computer Science/Computer Engineering or equivalent.

#### **PERTINENT EXPERIENCE**

Have a minimum 2 years of experience in Operation and Maintenance of telecom networks.

#### **COMPETENCIES**

##### **Professional/Technical Competence**

- In depth knowledge of all network resources HW / SW and their characteristics for the applicable work areas Core, Access, Radio or service networks.
- Excellent knowledge of the network resource topology configuration characteristics and capabilities for the applicable work areas Core, Access, Radio or service networks.
- Excellent knowledge of resource availability indicators and their interpretation.
- Good / excellent knowledge of the Network management system functionality and use of applications related to the work area (surveillance, analysis, configuration, trouble administration etc).
- Good knowledge of network implementation / integration processes.
- Awareness of the concepts of all protocols used for GSM/CDMA and should have understanding of IP basics.
- Knowledge on GSM node such as HLR/VLR/MSC/GMSC/AuC/MGW.
- Knowledge of Routing concepts (SCCP, GTRC, etc) and Number Analysis.
- Knowledge of protocol level of CCS7, ISUP, SCCP, TCAP, MAP and CCS7 Network Planning.
- Call tracing and troubleshooting
- Core capacity planning.
- Experience providing customer support on circuit switching equipment in a live network environment
- Detailed Knowledge of SBC, SIP, IP and networking

## **Human Competence**

- Be able to work independently
- Flexible and responsive to changing work patterns and demands.
- Able to work as a member of a team and lead junior staff from time to time.
- Open approach to solving problems and dealing with new proposals.
- A thorough and methodical approach to work.
- Must be able to work to tight time scales.
- High degree of analytical and investigative abilities.