

MEASAT SATELLITE SYSTEMS SDN. BHD.
Senior Engineer (Broadcast & Hub) - Projects & Deployment

SCOPE OF RESPONSIBILITIES

Responsible for the project & deployment for MEASAT MCPC, VSAT Hub and network systems (hereby define as Sub-Systems). He/she is expected to be a generalist in the ground infrastructure that include baseband setup. He/she will work together with Engineering team deploy service related to MCPC and VAS services based on customers requirement.

The scope includes

- 1) Weekly capacity monitoring, health check and backup on Sub-Systems
- 2) Leading incident escalation and response to issue with agreed SLA on related Sub-Systems from Operation team
- 3) Managed provisioning and commissioning for Sub-Systems upon work order generated
- 4) Coordinate and project manage Sub-Systems deployment
- 5) Coordinate and project manage remote site deployment with contractor
- 6) Perform regular software patch/security patch and firmware upgrade on Sub-Systems
- 7) Leading and validating knowledgebase based on incident management

REPRESENTATIVE ACTIVITIES

System Level

- Lead VSAT hub engineering, design and planning on service specific level. Capacity monitoring and projection of hub infrastructure
- Lead MCPC (Video Mux, modulator and Zixi server) engineering and operation
- Provide hardware and software reconfiguration and perform Sub-Systems maintenance and related operations. At the system level, ensure signal level are appropriately calibrated
- Maintain DWDM equipment link between MTBC and AABC to ensure connectivity for MCPC operations are supported.
- Provide support on an urgent basis to rectify any critical anomaly on the MCPC and VAS systems.
- Perform anomaly investigation and produce appropriate documentation as directed.
- Develop new testing procedure and suggest procedure enhancement for increase operating efficiency.
- Ensure configuration and database backup done within routine quarterly

Equipment Level

- Provision of appropriate equipment for Co-location services, not limited to technical solution and implementation of solution for customer on the MCPC and VAS services
- Commission and installed VSAT hub and network switches.
- Restoration of service that is not limited to physical equipment installation

Documentation

- All documentation associated with MCPC and VAS systems/services not limited to operational procedures, shall be updated and managed appropriately
- Tracking of all VAS and MCPC equipment (on-line and off-line equipment), not limited to spares
- Follow-up with vendor(s) on all faulty equipment to ensure it is repaired and ensure equipment fault history records are current and accurate.
- Lead knowledge-based activity such as validating root cause and solution

Others

- Support ad-hoc projects, such as implementation and coordinating with vendor to implement solution at trade-shows, provide manpower to assist in antenna maintenance
- Provide 2nd level support to Network Management Centre, to ensure MCPC and Co-location services Service Level are not compromised

- He/she is part of the on-call support team for the Network Engineering and Operation.
- Lead maintenance contract renewal and negotiation

REQUIREMENTS (Education, Experience, Skills, Attributes / Behaviors, Others)

- Degree in Electrical or Electronic Engineering
- Strong understanding in VSAT hub infrastructure as it operation methodology
- Strong understanding in Radio Frequency concept, including radio planning and broadcast technology
- Knowledge in basic IP networking to manage VSAT hub operation
- Excellent command in English both written and verbal with good education track-record;
- Quick starter, highly motivated and team player with ability to perform tasks with minimum supervision;
- Willing to work on standby basis