

## **NETWORK ENGINEER**

### **SUMMARY:**

Assists with the installation, maintenance and monitoring of the MCCA networks and communications systems for clients and MCCA staff. Diagnosis wired and wireless network issues and determines necessary action. Configure network connections for Exhibitors and Clients during setup and show hours.

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

The Authority's Director of Technical Operations may designate various other activities. *The following statements are intended to describe the general nature and level of work being performed. They are not intended to be construed, as an exhaustive list of all responsibilities, duties and skills required of personnel so classified. Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time for any reason, including reasonable accommodation.*

- Assists in the monitoring and diagnosing of troubles in local/wide area networks.
- Assists in the monitoring and maintenance of networking, including wireless, telecommunications, and computer hardware systems.
- Performs network troubleshooting to isolate and diagnose cause of network/telecommunication disruptions/problems.
- Reviews trouble logs systems, reports error conditions and takes necessary corrective action.
- Provide service for all wireless networking installation.
- Performs hardware/software installation, repair, and upgrade.
- Consults with client to determine the shows networking requirements, configures and delivers the required network services.
- Responds to needs and questions of MCCA users and clients concerning their access of network resources.
- Assists the Network Services Manager in the creation and maintenance of all departmental documentation.
- When appropriate participates in discussion and makes recommendations regarding network issues for ongoing projects.
- Other related duties may be assigned.

**SUPERVISION RECEIVED:** Supervision is provided by the Director of Technical Operations and includes assignment of duties, inspection of work, training, coaching, and performance evaluations.

**EDUCATION/ EXPERIENCE:** Bachelor Degree and three years' experience as a Network Operations Analyst, Network Operations Field Engineer or a Network Operations Center Technician/Engineer, or equivalent education and experience. A well-organized individual who is a team player, able to work effectively with people at all levels within the organization, possesses excellent communication skills, flexibility and is committed to the MCCA's Mission.

- In-depth knowledge of the seven layers within the OSI model and detailed familiarity with industry protocols.
- Extensive experience with IP Addressing to include sub netting.
- Experience in troubleshooting router, switch and fault-tolerant redundant environments, configuration, troubleshooting and hardware maintenance.
- Experience working with service providers testing and troubleshooting Metro Area Ethernet and T1/T3 circuits.
- Solid understanding of IP networking and two or more associated protocols including TCP/UDP, BGP, OSPF.
- Candidate must have a working knowledge of DNS, SMTP and server technologies.
- Solid understanding of LAN protocols - VRRP, Spanning Tree, Ethernet, and VLANS.
- Candidate must have working knowledge in supporting Wireless network environments.
- A working knowledge and experience with Juniper network equipment is a plus.
- Strong commitment to customer service.

- Self-motivation and ability to work with minimum supervision.
- Experience with software licensing and volume purchasing agreements for the major enterprise system software suppliers (e.g., IBM, HP, Microsoft).
- Experience in presenting technology recommendations from a business perspective.
- Experience in planning and carrying out software license audits & reconcilements.
- Certification in Software License Management strongly preferred.

**WORK SCHEDULE:** The work schedule for this position typically is a forty (40) hour work week consisting of five (5) eight (8) hour days, Monday through Friday. The hours and days may fluctuate based upon the needs of a particular event or project, which would require the ability to work a flexible schedule including late nights, early mornings, long days, weekends and holidays

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