JOB DESCRIPTION: (Satellite) Ground Operations

Overview

NORTHROP GRUMMAN

Satellite industry engineers provide engineering support
for satellites and ground systems. They are generally trained as electrical, mechanical or aerospace engineers and often specialize in systems, RF, antenna, propulsion or electrical engineering.

Typical Requirements:

- B.S. for most positions; however, some employers may prefer a Master's degree.
- Must be detail-oriented and analytical, with an understanding of spacecraft subsystems, satellite communication systems, spacecraft operations and ground control systems.
- May require excellent computer skills and the ability to write software programs, as well as strong written and verbal communication skills.
- Engineers working for defense contractors typically must be able to obtain security clearance.

A Career as a Satellite Operations and Network Administrator

Northrop Grumman - Aurora, - CO

Job Description

Monitors satellite operations support network usage and capacity and troubleshoots satellite downlink transmittal and recording data paths and associated equipment. Identifies and recommends solutions for smooth continuing operation of network as capacity needs change and adjusts network configurations to ensure efficient operation. Monitors and documents traffic analysis. Monitors all hardware components to ensure satellite operations support network communication facilities are operating at optimum levels. The successful candidate will provide monitoring, hardware and software configuration management, baseline change control, provisioning, incident response, maintenance, and network management support for a controlled access network. Position is responsible for reviewing audit logs and event logs, monitoring hardware / software health statistics, performing and monitoring system backups and restores, installing security patches and critical updates, and maintaining standard operating procedures. Position works with engineer and vendor support organizations as necessary to remediate software/hardware issues, perform system tuning activities, and implement approved changes. Provide On-the-job training (OJT) to Air Force and civilian operations personnel on RF equipment, programmable switching units, and satellite uplink/downlink equipment for satellite communications. Assist personnel on ephemeris, preventive maintenance and hardware equipment troubleshooting.

<u>Qualifications</u>

Basic Qualifications:

BS degree or equivalent plus at least five years of related experience. The candidate must have a working knowledge of Windows Server 2003/2008 architecture, IIS 6.0/7.0; Windows Group Policy; TCP/IP, AD, & DNS. The candidate must also have experience developing and maintaining a website, and satellite ground station operations / training experience with satellite ground systems, missile warning/defense systems and satellite command and control systems. The candidate must have a current TS/SCI security clearance.

Preferred Qualifications:

BS degree in computer science, information systems (or equivalent) or an IT technical field with at least 5 years of related experience. Excellent customer service skills and applicable past experience to provide responsive and superior quality support. At least 5 years of LAN/WAN Network Engineering and support experience installing, maintaining, configuring, and troubleshooting network equipment. Working knowledge and understanding of network protocols (TCP/IP, UDP/IP, ICMP, SNMP), routing, and enterprise network communications.

Experience with network traffic profile monitoring and performance measurement. Knowledge, understanding, and experience supporting cryptography devices. Administrative and support experience with Microsoft Windows Server 2003, Windows XP and Active Directory. Able to follow documented processes and procedures, and provide feedback and updates as necessary. Maintain, operate, and configure spacecraft simulators used for operations and training. Candidate should have the ability to provide satellite operations technical analysis support on a spacecraft subsystem basis for Defense Support Program satellites. Able to multi-task in a dynamic, fast-paced environment, be a quick learner, and have a positive, can-do attitude. Highly self-motivated and dedicated with strong attention to detail.

Effective written, verbal, presentation, and interpersonal skills with the ability to translate technical data into a format understood by non-technical individuals.

Must be able to act as liaison between multiple crews.

<u>Links to more Information click below:</u>

http://www.sspi.org/page/Liftoff_Home

Courtesy: Northrop Gruman, SSPI Liftoff: Careers in Satellite

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