

## GENERAL POSITION DESCRIPTION

### Position Title: SCTE Broadband Distribution Specialist (BDS)

### Position Summary

The Broadband Distribution Specialist (BDS) performs coaxial network troubleshooting to resolve system outages and coaxial network preventive maintenance. The Broadband Distribution Specialist may also perform coaxial system design calculations.

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### Position Duties

1. Perform routine maintenance: maintain the coaxial portion of the plant between the tap and the distribution cable to the node, to include power supply maintenance.
2. Perform routine troubleshooting calls: troubleshoot the coaxial portion of the plant from the tap through the distribution cable to the node in order to restore customer video, voice, or high-speed internet service, as required; respond to and repair outages/service interruptions during regular business hours, shift work or when "on-call" as required
3. Troubleshoot and repair signal leakage; perform CLI documentation, as required
4. Perform FCC Proof-of-Performance and other associated network documentation
5. Perform tasks related to the coaxial portion of the network, to include connectorization, system design, extension calculation
6. Be able to calculate system performance parameters such as C/N and CTB.
7. Be able to identify and troubleshoot noise and distortion problems.
8. Inspect the any existing grounds accordance with the National Electrical Code<sup>®</sup> (NEC) in order to protect employees, customers, and the general public from electrical shock, and equipment from damage; report or repair any bond not in compliance
9. Survey the plant in order to ensure service availability to potential customers
10. Perform location of existing underground plant using system prints and cable locating equipment in order to prevent cable damage and service interruption
11. Perform CLI ride-out and track and repair leakage, as necessary.
12. Perform construction maintenance duties:
  - a. Splice aerial/underground coaxial cable and equipment to restore cable plant to system specification
  - b. Repair and/or replace damaged aerial/underground plant
  - c. Inspect, repair and/or replace power supplies as necessary
13. Clean, maintain and stock vehicle and equipment in order to be prepared to handle all types of installations.

## Other

1. During the course of normal day-to-day activities:
  - a. Properly operate and maintain tools and test equipment
  - b. Apply knowledge and skills of training on the job in order to prepare for transition to management or engineering
  - c. Mentor other employees on new and existing technologies
  - d. Perform other duties as requested by supervisor in order to achieve departmental goals and objectives
  - e. Be able to accurately read and interpret CATV system maps.

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## Qualifications:

- Working knowledge of the National Electrical Code (NEC), the National Electrical Safety Code (NESC), the Occupational Safety and Health Act (OSHA), Federal Communications Commission (FCC), Environmental Protection Agency (EPA), American National Standards Institute (ANSI), various applicable state and local codes, and pertinent SCTE standards.
- Knowledge of cable system operations
- Knowledge of modern telecom video, voice and data products and services
- Knowledge of system architectures, including the HFC network, consisting of the distribution system active and passive components and coaxial cable, and signal types
- Knowledge of different coaxial cables, optical fibers, and cabling techniques
- Knowledge of coaxial cable construction
- Knowledge of technical mathematic concepts
- Ability to work on a computer; knowledge of computer hardware, software and the Internet and the ability to troubleshoot and resolve related service failures
- Working knowledge of RF and optical test equipment and analyzers
- Ability to use cable distribution and maintenance tools and hand tools
- Ability to read general system layouts from blueprints
- Ability to comply with safety procedures and requirements
- Ability to prioritize, and organize effectively, and work independently
- Five years of focused experience in cable television network operations.