

Broadcast Transmission Engineer Grade 28

Position Summary/Primary Responsibilities:

The Broadcast Transmission Engineer is responsible for the maintenance and operation of television/radio transmitters and RF transmission systems interconnecting Maine Public facilities. Reporting to the Transmission Manager, the responsibilities of the position also encompass the configuration, design, and testing of computer systems specifically for control and monitoring of transmission equipment, along with assisting with the engineering, design, installation, and implementation of any new technology related projects.

Essential Job Functions: *Illustrative examples; not intended to be all-inclusive.*

- Maintains, adjusts, and configures all radio and television broadcasting, remote control, microwave STL, computers and supporting equipment involved in the operation of a broadcast transmitting facility, according to pre-defined standards, when applicable.
- Perform routine visits to Maine Public transmission facilities, in order to maintain continuity of broadcasting operations.
- Works to ensure compliance with all applicable FCC rules and regulations.
- Diagnosis and repair of control systems as required.
- At the direction of the Transmission Manger implements complex control systems, using hands-on computer and networking skills, to be used for systems interconnecting transmission facilities that conform to Industry IT standards.
- Communicates with Master Control regarding equipment installation, outages, and durations.
- Coordinate with and supervise Maine Public vendors and suppliers at transmission sites.
- Provides necessary maintenance of buildings, roads, and grounds at transmitter sites.
- Provides assistance in the Technology Department when needed in the engineering, design, installation, implementation, and troubleshooting of systems.
- Maintains up-to-date written documentation, helps train others as needed.
- Travel throughout the State of Maine and to Maine Public broadcast facilities is required, and the ability to access remote sites via 4WD truck, ATV, snowmobile, or other vehicles and equipment
- Holds Maine Public Credit Card and purchasing authority for supplies, repairs, fuel and maintenance to Maine Public vehicles and equipment. Maintains accurate recordkeeping in support of the preparation and execution of the budget.
- Assists in the planning, set up, operation, and take down of remote broadcasts.
- Grounds and building maintenance including mowing lawns, bush hogging, weed whacking, brush cutting, and general maintenance of generators including oil changes and battery testing.
- Provides 24-7 on-call technical support on a rotational basis, in order to rapidly restore technical emergencies that could impair broadcast transmissions.
- Other duties as assigned.

Education/Experience/Training/Skills Required:

- Demonstrated and practical hands-on work experience with RF equipment or related technical fields required; experience in high power RF equipment preferred.
- Broadcast transmitter experience with knowledge and experience in FCC rules and regulations is preferred.
- At least three years of related work experience required.
- Minimum of a high school diploma or GED required; associate's degree or comparable formal training in electrical or computer related study preferred, SBE (Society of Broadcast Engineers) certification preferred, or equivalent combination of education and experience.
- Comprehensive IT skills preferred.
- General maintenance and repair skills, experience with hand tools, and electronics troubleshooting and repair experience.
- Ability to work independently.
- Excellent written and verbal communication skills.
- Must seek to learn new skills and keep abreast of technological developments.
- Ability to establish and maintain effective working relationships with all departments, employees, professional organizations, and vendors.

Physical Requirements: *The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

- Position often works alone with minimal supervision at remote sites which may be noisy, and unusually hot or cold.
- Position requires significant use of a computer and video display terminal.
- Position requires sitting or standing for extended periods of time.
- Position requires the ability to travel to remote sites via driving, snowmobiles, ATV or walking.
- Visual acuity including color vision.
- Must be able to lift at least sixty (60) pounds.
- Position requires use of a ladder at times.
- Position requires use of hand tools.

Certifications/Licenses/Registrations Required:

- A valid Maine driver's license is required.

Other:

- Rotational on-call, evening, weekend, holiday work is required as assigned.