

## Engineering Director

Objective: To effectively maintain broadcast equipment and oversee technical aspects of broadcasting operations to promote the mission of Strong Tower Radio to proclaim God's character to our listeners.

### **Responsibilities:**

- Serve as the designated Chief Operator for FCC purposes
- Supervise contract engineering services
- Maintain existing studio and transmitter equipment and install new equipment
- Maintain the STR stations signal at its maximum effectiveness and clarity
- Oversee all technical aspects of operations, including studio and remote production
- Order equipment and supplies; maintain inventory
- Oversee the daily tower light logs and the weekly EAS logs
- Administer engineering budget
- Train volunteers and station employees in matters of technical operations
- Keep abreast of all FCC and other applicable rules and regulations in the technical area, and assuring STR stations' compliance
- Liaison with streaming, distribution, satellite operations and technical staff
- Upkeep of transmitter facilities and master control
- Along with the IT Director: coordination, maintenance and backup of digital assets
- Coordinate use and upkeep of broadcast computer systems (hardware and software) for music library
- Able to work in tight, confined spaces
- Comfortable setting up computers and running cabling in an office environment
- 24/7 on-call for radio broadcast troubleshooting and restoration of broadcast
- Work is mainly at STR headquarters in Cadillac, but may involve travel to multiple tower locations throughout the states of Michigan and Illinois
- Other duties as assigned

### **Qualifications:**

- Member in good standing of the Seventh-day Adventist Church
- Broadcast engineering experience a must. Preferably holds a General Radio Telephone Operators License
- IP network administration experience
- Maintain a variety of Studio Transmitter Links systems RF and IP
- Basic electronics and signal flow
- AM/FM signal processing;
- AM/FM transmitter knowledge a plus
- Able to record, process and deliver audio to streaming and analog platforms
- Able to manage digital assets for audio automation
- Able to troubleshoot computer hardware, software, and network issues
- Able to operate broadcast mixer board and proper microphone technique
- Able to take direction; interact with staff and volunteers in an advisory capacity; interact and communicate with supervisor and colleagues in a professional and timely manner; respond quickly to complex problems in multiple systems; appear, and speak publicly at radio station events and sponsored functions; represent STR stations at non-radio station functions as assigned