

ALASKA PUBLIC MEDIA
3877 University Drive
Anchorage, Alaska 99508
M 907.550.8400
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Title: FM Broadcast Engineer
Reports to: Chief Technology Officer
FSLA Status: Non-exempt
Version: 2.5

Summary Statement:

FM Broadcast Engineer will provide support to broadcast stations KSKA-FM, Public Media Engineering partners, ARCS, the statewide satellite news network, and KAKM-TV, including all inside and outside plant supervision and maintenance.

Alaska Public Media is the source of NPR radio, PBS television for South Central Alaska, ARCS, and stewards Alaska's statewide news operation.

Essential Functions:

The FM Broadcast Engineer will:

- Provide the skills necessary to synthesize and implement the technical policies of the station with a focus on FM and rural broadcasting systems.
- Travel across the state to support public media engineering partners to include KTOO, KYUK, KNBA, and the state owned ARCS system.

Duties and Responsibilities:

In addition to the above functions, the Broadcast Engineer will:

- Assure all personnel use and operate the facilities in a safe and secure manner.
- As part of a team, do the contingency planning necessary to keep systems on line in all situations.
- Design, maintain and operate radio and TV transmitting facilities, assuring safe and compliant operation.
- Understand facilities interconnection including signal type and routing, bypass and restore systems; microwave and fiber interconnections; etc. Implement and modify system documentation as required.
- Perform routine evaluation and maintenance of on systems including database maintenance.
- As part of a team, help design and configure the operating environment and systems.
- Operate the stations in compliance with the FCC rules, safety regulations and company policies.
- Provide engineering services to other organizations as may be required.

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- Other duties as assigned.

Required Qualifications:

- Ten years+; experience in a progressively complex broadcast environment.
- Bachelor's Degree in electronics, computer networking or related technical degree.
- FCC General Radio Telephone License
- SBE Certification Preferred
- MSCE Certification Preferred.
- Other related experience preferred, e.g. digital satellite systems operation and installation; digital microwave operation and installation
- High power RF maintenance, computer network design and operations.
- Broadcast remote control operation and implementation.
- Experience in the set up and operation of an unattended control room and transmitter environment.
- Facility system design, operation and maintenance, including high power AC systems; HVAC systems design implementation and maintenance; in depth understanding of
- Ion depth understanding of FCC requirements for broadcast operations.
- Design and operating experience in high performance television editing systems.
- Design and installation of various analog and digital systems associated with radio operations.

Desired Qualifications:

- Must be able to design and implement the technical policies and procedures for the company and processes.
- Have the skills and judgement necessary to carry out all aspects of the company technical policy.
- Assuring a safe and efficient environment for the station and its employees.
- Must have the requisite skills to perform analysis and maintain high power RF systems, microwave systems, computer network systems in infrastructure and remote control systems.
- Be able to implement digital editing systems and support the production department.
- Understand satellite technology.
- Be familiar with industry standards and practices.
- Be able to interpret and implement FCC rules and regulations.

Allowable Substitution

If necessary, alternative combinations of education and experience to be evaluated by the Human Resources Office for comparability

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Competencies:

- Ability to read, interpret and analyze complex digital and analog systems.
- Ability to review and correct various deficiencies in all physical systems associated with operations.
- Ability to work with members of the engineering department and the production department to effect new engineering and production projects.
- Ability to perform an operational task within the broadcast environment.
- Ability to read and compose email reports and memos effecting the design, implementation and policies of the broadcast environment.
- Ability to use the telephone including: conference calling, coupling calls to various interface systems and long distance.
- Ability to perform and operational task within the broadcast environment.
- Ability to operate a motor vehicle.
- Act in accordance with AKPM policies.
- Support AKPM compliance efforts with FCC, CPB, NPR and PBS rules and regulations
- Communicate effectively.
- Apply critical thinking and problem solving skills.
- Maintain positive relationships with both internal and external customers.
- Demonstrate consistent outstanding customer service.
- Proficient at computer use to include office software products, custom software packages, internet and e-mail.
- Consistently demonstrate ethical behavior.
- Must exercise good judgement for the prompt completion of responsibilities.

Employee Expectations:

Must be able to work in a constantly changing environment with demonstrated ability to juggle and prioritize multiple, competing tasks and demands while seeking supervisory assistance as appropriate.

Physical Demands:

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.

The employee is regularly required to stand, walk and sit; use hands to handle or feet; reach with hands and arms; talk and hear. The employee is occasionally required to stoop, kneel, crouch or crawl. The employee must be able to lift and/or move up to 50 pounds.

Work Environment:

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The work environment characteristics described here are typical of a television/radio broadcast office environment and representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations will be made to enable individuals with disabilities to perform essential functions.

The noise level in the work environment is usually moderate.

Alaska Public Media is an equal opportunity employer.

I _____ have received a copy of this job description on _____
(Name) *(Date)*

Employee's signature _____