Class Code: 14752

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES V HUMAN RESOURCES ENTERPRISE

TRANSMITTER ENGINEER SENIOR

DEFINITION

Performs the more complex duties required in operating, diagnosing, repairing, and maintaining facilities and electronic equipment for lowa Public Television at network transmitter/translator sites, with specialization in audio, video, digital, remote control, and computer-based engineering at those sites; performs related work as required.

The Work Examples and Competencies listed are for illustrative purposes only and not intended to be the primary basis for position classification decisions.

WORK EXAMPLES

Performs all duties of the Transmitter Engineer.

Operates, diagnoses, and makes major repairs/adjustments on transmitting, electronic, and electrical equipment associated with the production and broadcasting of educational radio/television programs; diagnoses and repairs more complex building mechanics (e.g., HVAC, plumbing cooling system, electrical and pneumatic controls, polyphase motors, etc.).

Responsible for the diagnosis, repair, and maintenance of equipment, and for the observation of applicable federal engineering rules/regulations and day-to-day compliance with Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) regulations applicable to transmitter/translator facilities.

Conducts RF performance measurements and the FCC proof of performance measurements on transmitter systems.

Works with less experienced engineers in the repair of more complex equipment; assists with training personnel in the operation, diagnosis, and repair of equipment as necessary.

COMPETENCIES REQUIRED

Knowledge of HVAC systems and high-powered RF circuit maintenance.

Knowledge of liquid cooling transmission systems.

Knowledge of safety related to transmitter/translator facilities including OSHA, non-ionizing radio frequency radiation (RFR), etc.

Knowledge of computer systems, methods, and techniques as related to transmission engineering.

Knowledge of FCC and FAA rules and regulations.

Knowledge of principles of electronics.

Knowledge of techniques of repairing electronic equipment.

Knowledge of types of equipment used in the production and transmission of radio/television programs.

Ability to diagnose, operate, and repair complex electronic equipment.

Ability to assume responsibility in the absence of a supervisor.

Ability to perform RF sweep measurements.

Ability to perform FCC proof of performance measurements on studio microwave and transmitter systems.

dishonest or unethical behavior.



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Displays high standards of ethical conduct. Exhibits honesty and integrity. Refrains from theft-related,

Works and communicates with internal and external clients and customers to meet their needs in a polite, courteous, and cooperative manner. Committed to quality service.

Displays a high level of initiative, effort, and commitment towards completing assignments efficiently. Works with minimal supervision. Demonstrates responsible behavior and attention to detail.

Responds appropriately to supervision. Follows policy and cooperates with supervisors.

Aligns behavior with the needs, priorities, and goals of the organization.

Encourages and facilitates cooperation, pride, trust, and group identity. Fosters commitment and team spirit.

Expresses information to individuals or groups effectively, taking into account the audience and nature of the information. Listens to others and responds appropriately.

EDUCATION, EXPERIENCE, AND SPECIAL REQUIREMENTS

Graduation from an accredited four-year college or university with a bachelor's degree in broadcast engineering technology, or a closely related field, and one year of experience in operating, maintaining, or repairing complex electronic equipment;

OR

graduation for an accredited two-year college or technical school with an associate's degree in electronics technology, or closely related field, and three years of experience in operating, maintaining, or repairing complex electronic equipment in a radio or television transmitter/translator or network studio;

OR

possession of a certificate in electronic technology, or closely related field, from a recognized technical. military, business, area school, junior college, or university, and four years of full-time experience operating, maintaining, or repairing complex electronic equipment in a radio or television transmitter/translator or network studio:

OR

an equivalent combination of experience and education, substituting one year of the required experience for each year (30 semester hours or 1 year) of the required education;

employees with current continuous experience in the state executive branch that includes the equivalent of one year of full-time experience as a Transmitter Engineer at Iowa Public Television shall be considered qualified.

NOTE:

Must possess a valid driver's license.

NOTE:

Positions in this class are exempt from the screening and referral requirements of the Iowa Department of Administrative Services – Human Resources Enterprise. Apply directly to the employing agency.

Iowa Public Television 6450 Corporate Drive P.O. Box 6450 Johnston, Iowa 50131

Effective Date: 9/07 DK