

Video Broadcast Engineer E35711

DESCRIPTION OF OCCUPATIONAL WORK

Under limited supervision, assists in the full operation of a mobile broadcasting unit and studio broadcasts - including maintenance, direction of technical staff on location, staffing, and equipment. Assists the Remote Technical Supervisor with the responsibility of setting up, coordinating, and maintaining a wide variety of electrical, electronic, and satellite equipment for mobile television broadcasts to achieve the desired output of the broadcast.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Camera shading of live multi-camera broadcasts. Prepare cameras for each production by selecting proper camera type, mount, lens and system.

Actively monitor and adjust camera color and iris as needed for all studio cameras and incoming feeds.

Operate EVS broadcast server for video playback and recordings for studio productions.

Assists with preparing plans and requests for future equipment needs; assists with developing, implementing, and monitoring policies, procedures, and processes of the mobile unit.

Troubleshoot equipment problems, ensure that repairs and maintenance are made, and make emergency repairs to equipment when necessary and possible.

Record sound onto tape or servers for radio or television, checking its quality and making adjustments where necessary

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)

Knowledge of: Transmission, broadcasting, routing, switching, control and operation of television broadcasting, media production, computer networking, hardware and software, electronic engineering; personnel management of a technical staff. FCC and ETV policies, rules and regulations; electronic and television broadcast theory, microwave system theory, information technology, electronic engineering, operation and maintenance of studio production and transmitting equipment, analog and digital systems, and mobile electronic equipment.

Skill in: Video shading and cameras; Patching/wiring cameras into patch bay, operating frame synchronizers and router control panels.

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Ability to: Communicate and negotiate with diverse parties both within and outside the organization, operate equipment associated with a television broadcast system; supervise and schedule the work of others; monitor budgets, and recommend and purchase needed equipment; Direct a mobile broadcasting station, and studio staff, formulates technical and operating policies and procedures of a mobile television broadcasting studio and assign work priorities; Perform duties as the lead video engineer for remote and studio broadcasts to achieve the desired look of the broadcast cameras in terms of color/tone, iris/brightness and camera matching; Read waveform vector scopes for multi-camera setups.

MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

High school education or equivalent plus three to five years of combined experience and/or education in audio and broadcast engineering including television, radio and cable operations for varied broadcast areas involving both operation and maintenance experience, two years of which should include supervisory experience. An associate degree in electronics, electrical engineering, or a related field is preferred.

LEGAL REQUIREMENTS: (These qualifications are mandated by federal/state laws, statutes, and/or regulations.)

Not Applicable

SPECIAL NOTES:

State agencies are responsible to evaluate each of their positions to determine their individual overtime eligibility status as required by the Fair Labor Standards Act (FLSA).

Travel is required and work hours may fall outside of normal working hours.

Established: 01/09

Note: Classification-specification is subject to change. Please refer to the Nebraska State Personnel Job Specification website at <https://das.nebraska.gov/personnel/classcomp/jobspecs/jobspecs.html> to ensure this represents the most current copy of the description.

The following is a summary of changes made to this class specification.

| Section | Change Description | Effective Date |
|--|---|----------------|
| Title; description; examples of work; knowledge, skills and abilities required | Updated title; updated language in description and knowledge, skills and abilities; Removed duties from examples of work and added in new examples of work. | 3/1/2023 |