

KERN COUNTY SUPERINTENDENT OF SCHOOLS
REVISED/APPROVED NOVEMBER 2023
RANGE: 54.5
CLASSIFIED – OVERTIME EXEMPT
CODE: 2, 6, 7

SENIOR BROADCAST ENGINEER

DEFINITION

Under general supervision of the Coordinator – KETN & Media Services, install, maintain, repair, and operate broadcasting and production equipment.

EXAMPLES OF DUTIES

Install digital media equipment;

designated Chief Operator of Kern County Superintendent of Schools transmission facilities;

research, develop, implement, and maintain digital media delivery systems;

repair digital production equipment;

diagnose cause of equipment malfunctions;

install audio and video digital routing systems;

maintain, troubleshoot, repair and operate television transmitters, digital media ingest, storage and playback systems, studio and portable cameras, studio and portable media recorders, studio production switchers, video/digital editing systems, video and audio routing switchers, synchronizing and timing equipment, audio consoles, video monitors and receivers, audio and video patching systems, intercom headset systems, digital media delivery systems, etc., using technical schematics;

produce, direct, and edit all forms of digital media content;

maintain television broadcasting equipment and systems in accordance with the Federal Communications Commission parameters, frequency, bandwidth, modulation, power and FCC regulations, where applicable;

configure systems, specify models, install, evaluate, calibrate and operate equipment, as required;

perform as Lead Master Control Operator;

perform engineering, production, directing and editing functions in recorded productions and live broadcasts;

maintain log of programs transmitted and of adjustments to digital transmission and reception equipment;

order replacement parts and research for equivalent parts when originals are no longer available;

prepare research documentation for equipment purchases and grant applications;

supervise assigned staff;

conform to safety standards as prescribed;

perform other tasks related to the position as assigned;

involve technical work in the installation, repair and maintenance of telecommunications and broadcasting equipment.

QUALIFICATIONS

Knowledge of:

Television transmitting, digital media distribution, translator and studio equipment;

digital media and Audio/Visual systems;

basic and advanced electronic circuit troubleshooting;

television and production activities.

Ability to:

Distinguish color coded wires;

work in remote and/or isolated areas;

read, interpret and apply FCC, BLM and OSHA rules and regulations;

operate and maintain television equipment;

read and interpret complex schematics;

operate electronic testing equipment;

analyze test results;

judge when to act independently and when to refer situations to supervisors;

plan and organize work;

work in confined areas;

crawl under counters and other closed places;

lift 25 lbs.;

work flexible hours or shifts;

withstand heights and perform work safely;

normal hearing range;

reach over head to work with cable, etc.;

work cooperatively with employees, vendors and the public;

recognize and report hazards and apply safe work methods in a variety of environments.

Experience:

Six (6) years of experience in the repair and maintenance of television broadcast equipment OR a Bachelor's degree in Electronic Engineering from an accredited college or university, plus four (4) years of experience in the repair and maintenance of television broadcast equipment.

Education:

High school graduation or other equivalent.

Licenses and certificates:

Valid FCC Commercial General Class Radiotelephone Operator's License or valid FCC Restricted Radiotelephone Operator's Permit;

valid FCC Commercial General Class Radiotelephone Operator License preferred;

and Society of Broadcast Engineering Certificate preferred.

Examples of assigned work areas

Kern County Superintendent of Schools facilities: TV station, schools, remote locations sites, etc.

Strength:

occasionally, 20-30 lbs., or 10-20 lbs. constantly;

may involve significant standing.

Physical demands:

Frequent use of sight, hearing, reaching, handling, fingering and feeling;

occasional talking;

vision equal to frequent near and far acuity, depth perception and focal length change and color vision.

Environmental conditions:

Varies from a climate controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat;

exposure to noise levels ranging from moderate to loud for occasional to frequent time periods and frequent electrical shock hazards.

Conditions of employment:

A preplacement medical assessment/health screening, at office expense, is a condition of appointment after all other required job conditions have been met.

Must maintain proof of privately owned automobile insurance and possession of a valid California Motor Vehicle operator's license for the duration of the assignment.

Fingerprint clearance by both the Federal Bureau of Investigation and the California Department of Justice is a condition of appointment after all other required job conditions have been met.

Must present verification of completion of Child Abuse Mandated Reporter training or obtain verification within six (6) weeks of hire and annually thereafter, as required by the California Child Abuse and Neglect Reporting Act.

This position is overtime exempt and has a probationary period of six months.

MG: ra

11/8/23

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