

EDITED KSAPC LISTING

CLASSIFICATION: ELECTRONICS TECHNICIAN, CORRECTIONAL FACILITY (CF)

NOTE: Each position within this classification may perform some or all of these KSAPCs.

KSAPC Statements	
Knowledge of:	
K1.	Comprehensive knowledge of electronic theory and electrical practices to ensure proper diagnostic and testing of electronic systems.
K2.	Comprehensive knowledge of repairing, installing, testing, operating, troubleshooting, and maintaining electronic and related equipment (e.g. fire alarm systems, close circuit television, Master Antenna Television, etc.) to ensure proper functionality and longevity of electronic equipment.
K3.	Comprehensive knowledge of the use of precise electronic testing, and measuring instruments used in repairing, installing, and maintaining electronic and related equipment to ensure proper functionality and longevity of electronic equipment.
K4.	Comprehensive knowledge of computer use in repairing, installing, adjusting, testing, operating, and maintaining electronic and related equipment to ensure proper functionality and longevity of electronic equipment.
K5.	Comprehensive knowledge of safety precautions (e.g., lock out tag out procedures, confined space procedures, hazardous material procedures, etc.) to be observed in repairing, installing, adjusting, testing, operating, and maintaining electronic and related equipment to ensure proper functionality and longevity of electronic equipment.
K6.	Comprehensive knowledge of power equipment (e.g. drills, solder stations, heat gun, etc.) electronic and related equipment to ensure proper functionality and longevity of electronic equipment.
K7.	Basic knowledge of the National Fire Protection Association, and the National Electric Code, to ensure proper functionality and longevity of fire alarm systems to ensure the safety and security of the institution/facility.
K8.	Basic knowledge of electronic materials, parts, wiring, and components to ensure proper functionality and longevity of electronic equipment.

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KSAPC Statements	
Ability to:	
A1.	Communicate effectively with individuals or groups to provide accurate information, instruction, direction, and maintain effective working relationships.
A2.	Read and interpret electrical and electronic schematic diagrams and technical manuals effectively to troubleshoot, operate, install, repair, maintain, adjust, test, and program electronic equipment.
A3.	Estimate cost of repairs accurately to obtain quotes and complete bid forms for the purpose of purchasing adequate materials, parts, and supplies.
A4.	Maintain accurate records to ensure preventive maintenance and proper function of electronic systems.
A5.	Generate reports to provide accurate information to management.
A6.	Analyze situations accurately and adopt an effective course of action to enhance productivity, meet goals, and expectations.
A7.	Effectively coordinate, plan, and work with other trades, inmates/youthful offenders, to service and repair electronic equipment.
A8.	Operate computer systems to efficiently and effectively complete assigned duties/tasks.
A9.	Perform work on ladders/lifts to efficiently and effectively complete assigned duties/tasks.

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KSAPC Statements <i>Skill to:</i>	
S1.	Repair, troubleshoot, and maintain electronic and telecommunication equipment (e.g. telephones, Closed Circuit Television (CCTV) equipment, fire alarm, etc.) to ensure precise operation of electronic devices.
S2.	Use specialized manual hand tools (e.g., solder iron, crimpers, wire cutters, etc.) to ensure proper operation of the electronic systems.
S3.	Use specialized power tools (e.g., rotary hammer, right angle drill motor, etc.) to ensure proper operation of the electronic systems.
S4.	Operate electronic testing equipment (e.g. computers, oscilloscopes, multi-meters, etc.) to ensure precise operation of electronic devices.
S5.	Terminate cable fittings on various types of cables (e.g., audio cables, coaxial, CAT5 and CAT6, etc.) to ensure proper connections.
S6.	Splice various types of wires/cables (e.g., audio cables, coaxial, CAT5 and CAT6, etc.) to ensure proper connections.

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KSAPC Statements

Personal Characteristics:

PC1.	Must be reasonably expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations encountered on the job without compromising their health and well-being or that of their fellow employees or that of inmates/youthful offenders.
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