

ASHEVILLE REGIONAL AIRPORT AUTHORITY
POSITION DESCRIPTION

POSITION TITLE: Maintenance Technician IV: Airfield Electrician	DATE: 4/23/2025
DEPARTMENT: Maintenance & Operations	GRADE/LEVEL: 16

Position Summary

This position exists to primarily perform high-voltage airfield electrical work in compliance with Federal Aviation Administration (FAA) and other federal, state, and location regulations required to operate the Asheville Regional Airport (AVL). Performs skilled technical and trade work related to all electrical systems at the Airport. Performs corrective, preventative, predictive, and proactive maintenance of various electrical and lighting systems at the Airport in compliance with established procedures and FAA and Transportation Security Administration (TSA) regulations. Performs general maintenance for the airside including pavement work, painting, mowing, fencing, and wildlife mitigation measures. Work requires significant independence, initiative, skills, and advanced knowledge of technical and trade practices.

Responsibilities (Essential Functions)

- Performs skilled technical and trade work related to all electrical systems, primarily performing high-voltage airfield electrical work. Responsible for inspecting, servicing, testing, and performing preventative maintenance for electrical systems in accordance with established procedures in compliance of FAA regulations. Installs, repairs, and maintains airfield lighting circuits, airfield lighting control systems, airport navigational aids, associated control circuits to the control tower, feeder circuits, cabling, signage, lighting regulators, emergency generators, uninterrupted power supply (UPS), transfer switches and other miscellaneous electrical duties for the airfield. Performs all duties and maintenance as required in the FAA Part 139 Airport Certification Manual (ACM).
 - Performs corrective, preventative, predictive, and proactive maintenance of various electrical and lighting systems at the Airport in compliance with established procedures and FAA and Transportation Security Administration (TSA) regulations. Repairs and replaces electrical motors and pumps of varying sizes, electrical appliances, airfield and street lighting systems, generators, and back-up emergency systems. Completes assignments in an effective and efficient manner in accordance with established procedures and regulations. Investigates, reviews, and coordinates activities with vendors, contractors, and others. Maintains all records, reports, and logs, as required in accordance with established procedures and regulations.
 - Performs general maintenance for the airside including pavement work, painting, mowing, fencing, and wildlife mitigation measures. Assists with the electrical systems of airport landside and facilities. Assists with minor airport construction and repair projects in terms of electrical systems, HVAC, security, and emergency systems. Perform less skilled plumbing, carpentry, mechanical, electrical, and HVAC work, as needed. Requisitions parts, supplies, and materials, as needed. Operates a variety of vehicles and equipment and tools, such as bucket trucks, dump trucks, mowers, and power tools.
 - Assures compliance with all applicable OSHA and EPA requirements. Maintains control of hazardous chemicals, substances, and waste within area of responsibility. Serves as a member of the Airport Certification and Safety Teams. Performs duties as required for the AVL Safety Management System (SMS) Program.
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- Maintains all required training and certifications as an electrician in accordance with established timeframes and protocols. Maintains current knowledge of AVL regulations and policies. Assists in coordinating safety training and in-service training for maintenance personnel and identifies training needs and sources. Assists with facility and building electrical maintenance, if needed.
- Performs work and provides customer service in alignment with Greater Asheville Regional Airport Authority (GARAA) Vision, Mission, and Core Values. Responds to tenant needs as required in a timely, user-friendly manner.
- Collaborates and coordinates with other Airport divisions to ensure the continuity of the airport operations and federal compliance. Works with Airport Operations and Planning to ensure all work is in compliance with FAA Part 139, Advisory Circulars, and TSA Part 1542; identify hazards and implement mitigation strategies. Maintains effective working relationships with internal and external stakeholders, tenants, and the public, ensuring exceptional customer service.
- Performs duties required for snow and ice removal for the airport. Ensures snow and ice removal are performed in accordance with FAA standards, the Snow and Ice Control Plan, and ACM requirements. Responds to and participates in airport emergencies and irregular operations; takes charge until relieved by a higher authority. Reacts quickly, calmly, and exercises independent judgement and initiative to protect persons, property, and ensures compliance. Conducts and participates in required emergency response training and exercises related to airport operations, emergencies, and security.
- Other duties, as assigned.

Education Requirements (Evaluation Factors: Skills, Knowledge, Experience, and Ability)

- High School Diploma or GED required.
- Five (5) years electrical apprenticeship program and/or technical school required or combination of education and experience that produces the required knowledge, skills and abilities.
- Experience in Airfield Lighting, preferred.
- Airfield Lighting Certification, preferred.

Experience Requirements

- Considerable knowledge of the principles and techniques of mechanical, electrical, and electronic trades.
 - Considerable knowledge of safety regulations, occupational hazards, and related safety precautions.
 - Knowledge of Federal Aviation Regulations (FAR) Part 139 and associated Advisory Circulars, Airport Authority ordinances, regulations and directives.
 - Knowledge of other applicable federal regulations including FAR Part 77, Transportation Security Regulations Part 1542.
 - Knowledge of snow removal methods as mandated by the FAA.
 - Skill in operation, service, use, and care of equipment used in this position.
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- Skills to communicate effectively orally and in writing.
- Skills to efficiently manage multiple priorities, tasks for extensive maintenance operations.
- Effective organizational and computer skills.
- Ability to understand and follow oral and written instructions.
- Ability to operate computer, fork-lift, and snow removal equipment.
- Ability to actively pursue and develop new ideas, methods and procedures to meet changing situations.
- Ability to evaluate and make comprehensive recommendations to resolve operational/facility problems and/or malfunctions.
- Ability to establish and maintain effective working relationships with internal and external stakeholders, airport tenants, federal partners, co-workers and the public, and represent the airport in a positive and professional manner.
- Ability to respond calmly and effectively in emergencies and effectively manage sensitive and tense situations.
- Ability to demonstrate initiative, creativity and innovative thinking in a rapidly changing work environment.

Physical requirements

- Works primarily outside and must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, feeling, talking, hearing, grasping, and repetitive motions.
 - Requires frequent bending, twisting, stooping or turning.
 - Work in this position is heavy work exerting up to 100 lbs. of force occasionally, and/or up to 50 lbs. of force frequently, and/or 20 lbs. of force constantly to move objects.
 - Subject to environmental conditions such as extreme hot and cold weather.
 - Must be able to operate and monitor communications equipment, such as data terminals, computers, radios and telephones.
 - Must be able to climb and descend stairs, perform inspections on foot and in a vehicle, operate various features of the airfield facility, including snow removal equipment, tractors, lighting, security gates, heavy equipment, painting equipment, etc.
 - May be exposed to chemicals, fumes, solvents, machinery, moving objects/vehicles, dust, slippery/uneven surfaces, narrow passageways and excessive noise.
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Sensory Requirements

- Color distinction
- Peripheral, near and distance vision
- Depth perception
- Smell
- Touch
- Hearing

Licenses/Certifications Required

- Valid driver license required
- Forklift operator's certification or ability to obtain
- Commercial Driver's License, preferred or have the ability to obtain
- Electrical Contractor License, preferred; must be kept current with required training
- License/certification in high voltage electrical work, preferred

Supervisory Responsibility

- None.

Latitude/Independent Judgment/Accuracy

- The Maintenance Manager/ Supervisor / Lead establishes workflow for the position.
- Diligence must be exercised when handling confidential information.
- Reasonable care for equipment/process will prevent injury/damage.
- Responsible for own work but must coordinate work with others.

Other Requirements

- Shift work required. Shift will be assigned based on operational need.
 - Subject to emergency call backs for work.
 - This position is deemed essential.
 - Primary job functions require in-person/on-site work.
 - This position is subject to on-call work and holiday work.
 - This position is required to be onsite for snow events.
 - Must successfully pass and maintain an active Security Threat Assessment (STA) and Criminal History Records Check (CHRC). Certain convictions will disqualify individuals from unescorted access privileges and therefore exclude them from employment.
 - Must obtain and maintain Movement Area Driver's endorsement within 90 days of employment.
 - This position must have a valid driver's license at all times and be able to drive to various locations, on and off-airport premises.
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Working Conditions

- Subject to inside and outside environmental conditions, including extreme hot and cold weather, noise, physical hazards, and narrow passageways.
 - Works a rotating shift assignment with a team to cover a 24/7/365 schedule. This includes days, nights, weekends, and holiday work schedules. Shift assignments are subject to change.
 - Work may require on-call duty as assigned.
 - Required to have the visual acuity to analyze data and figures, operate a computer, perform extensive reading, operate machinery including a fork-lift, snow removal equipment, and other mechanical equipment as needed.
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