

ANTICIPATED UPDATES TO TOS II COST MODEL

Labor Category	Work Location	Classification	Job Description
Aerospace Machinist	Tennessee	CBA	Under general supervision performs a wide variety of technical, mechanical, electrical, and manual work in the testing, operating, and/or assembly and shop areas of an Engineering Test Facility; prepares Test Facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in test and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Aerospace Machinist Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs a wide variety of technical, mechanical, electrical, and manual work in the testing, operating, and/or assembly and shop areas of an Engineering Test Facility; prepares Test Facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in test and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Aerospace Precision Machinist	Tennessee	CBA	Under general supervision setup and operates a variety of machine shop tools such as manual lathes, and milling machines, boring mills, CNC lathes and CNC milling machines, CNC wire and CNC sinker machines, ID/OD grinders, jig grinders, surface grinders, and other general machine shop tools to fabricate both new and replacement precision complex parts for test articles, experimental equipment, machinery, and other items.
Aerospace Precision Machinist Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsamn, directs and performs setup and operates a variety of machine shop tools such as manual lathes, and milling machines, boring mills, CNC lathes and CNC milling machines, CNC wire and CNC sinker machines, ID/OD grinders, jig grinders, surface grinders, and other general machine shop tools to fabricate both new and replacement precision complex parts for test articles, experimental equipment, machinery, and other items.
Boilermaker	Tennessee	CBA	Under general supervision performs metal working, mechanical and manual work in the testing, operating and shop areas of an engineering test facility; prepares test facility equipment for operations; prepares test article for testing, installs test articles and check installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant equipment during tests; assist in tests; removes test articles after tests; installs and maintains heavy ducting systems, heat exchangers and condensers; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Boilermaker Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsman, directs and performs metal working, mechanical and manual work in the testing, operating and shop areas of an engineering test facility; prepares test facility equipment for operations; prepares test article for testing, installs test articles and check installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant equipment during tests; assist in tests; removes test articles after tests; installs and maintains heavy ducting systems, heat exchangers and condensers; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Carpenter / Locksmith	Tennessee	CBA	Under general supervision, repairs and opens locks, makes keys, and changes lock combinations, using hand tools and special equipment. Disassembles locks, such as padlocks, safe locks, and door locks. Disassembles locks, such as padlocks, safe locks, and door locks. Repairs or replaces worn cylinders, springs, and other parts. Inserts new or repaired cylinders into locks to change combinations. Cuts new or duplicate keys, using keycutting machine. Moves lockpick in cylinders to open door locks without keys. Drills or cuts open safes. Trains and directs others in a wide variety of activities, including inspecting their work to ensure compliance with Company and Air Force regulations. When not engaged with locksmith responsibilities, will perform the duties of a Lead Carpenter, including leading and directing lower-level personnel. Will also perform journeyman duties as required.
Carpenter	Tennessee	CBA	Under general supervision, constructs, erects, installs, and repairs structures and fixtures made of wood, such as concrete forms, building frameworks, including partitions, joists, studding and rafters. Builds doors and window or door frames and install cabinets, siding, and drywall. Plans and lays out of work from blueprints, drawings, models, or verbal instructions, using a variety of carpenter's hand tools, portable power tools, shop tools, and standard measuring instruments.
Carpenter Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsamn, directs and constructs, erects, installs, and repairs structures and fixtures made of wood, such as concrete forms, building frameworks, including partitions, joists, studding and rafters. Builds doors and window or door frames and install cabinets, siding, and drywall. Plans and lays out of work from blueprints, drawings, models, or verbal instructions, using a variety of carpenter's hand tools, portable power tools, shop tools, and standard measuring instruments.

Maintenance Mason	Tennessee	CBA	Under general supervision, works to repair, modify, or replace masonry, including floors, walls, curbs, pavements, foundations, structural parts, brick walls, and other brick, block, and stone work. Makes work assignments within the section. Refinishes old concrete by roughing the surface and spreading a layer of new concrete which sometimes requires a special mixing or coloring. Obtains a surface of specified texture on floors, walls, and other masonry surfaces by using hand tools such as trowels, floats and screeds. Finishes vertical surfaces by wetting surface and rubbing with abrasive, chipping bad spots, and patching holes with fresh concrete.
Maintenance Mason Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsamn, directs and works to repair, modify, or replace masonry, including floors, walls, curbs, pavements, foundations, structural parts, brick walls, and other brick, block, and stone work. Makes work assignments within the section. Refinishes old concrete by roughing the surface and spreading a layer of new concrete which sometimes requires a special mixing or coloring. Obtains a surface of specified texture on floors, walls, and other masonry surfaces by using hand tools such as trowels, floats and screeds. Finishes vertical surfaces by wetting surface and rubbing with abrasive, chipping bad spots, and patching holes with fresh concrete.
Chauffer	Tennessee	CBA	Under general direction, performs work relative to operation of passenger vehicles. Follows oral or written directions in picking up and delivering passengers, mail, papers, and parcels. Signs receipts and secures signatures. Gives road tests to applicants for U. S. Government Operator's Permit in accordance with testing program. Makes necessary minor repairs to vehicle. Reports needed mechanical repairs. Keeps trip and fuel records. Exercises caution in operating vehicle to prevent damage to vehicle, passengers, and cargo. Treats passengers and customers courteously
Electrical Technician	Tennessee	CBA	Under general supervision performs technical, mechanical, electrical and manual work in the control room, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant equipment and test facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in tests and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Electrical Technician Lead	Tennessee	CBA	Under general supervision performs technical, mechanical, electrical and manual work in the control room, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant equipment and test facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in tests and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Electrician	California	CBA	Under general supervision performs installation, operation, maintenance, troubleshooting and repair of low, medium and high voltage wind tunnel electrical and control systems. Provide minor electrical design assistance with engineers and work as a team member for facility modifications and project implementation. Work with engineers and customer personnel to develop testing and electrical maintenance requirements. Provide operations support during facility testing activities.
Electrician	Tennessee	CBA	Under general supervision performs technical, mechanical, electrical and manual work in the control room, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant equipment and test facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in tests and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Electrician Lead	California	CBA	Under general supervision, as a working group leader over lower grade craftsman, directs and performs installation, operation, maintenance, troubleshooting and repair of low, medium and high voltage wind tunnel electrical and control systems. Provide minor electrical design assistance with engineers and work as a team member for facility modifications and project implementation. Work with engineers and customer personnel to develop testing and electrical maintenance requirements. Provide operations support during facility testing activities.
Electrician Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs technical, mechanical, electrical and manual work in the control room, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant equipment and test facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in tests and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation

Equipment Dispatcher	Tennessee	CBA	Under general supervision, performs duties relating to movement of material, equipment, and personnel from one location to another by Company vehicles and drivers. Receives requests for cars, trucks, buses, and other vehicles. Assigns driver and dispatches vehicle to destination determined by request. Ensures maximum utilization of vehicles and drivers by proper scheduling and routing.
Equipment Dispatcher Lead	Tennessee	CBA	Under general supervision as a working group leader over lower grade craftsmen, in the motor pool unit, performs all duties of an equipment dispatcher. Makes work assignments within the section. Checks on quality of work. Orders and receives tools and materials. Provides technical assistance and training for other employees in the section. Keeps Supervisor informed of potential work related problems in the section. When appropriate and not in violation of the AEMTC Collective Bargaining Agreement, reports personnel problems to the Supervisor or Manager. Makes supervisory decisions in the absence of the Supervisor.
ET Test Controller I	Tennessee	CBA	Under general supervision, performs Safe, Reliable, and Effective Operations (SREO), installation and maintenance of test/plant equipment/systems. Directs and performs a wide variety of technical, mechanical, electrical, and manual work in the control room, testing, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant and test facility equipment for operations; prepares and installs test articles, removes test articles after tests, installs and maintains facility systems, operates test facility, plant equipment, and test article equipment during the tests, and accomplishes maintenance and servicing work as required to place and keep such equipment in operation; checks test articles and installations prior to tests, assists in tests, operates complex testing equipment, and troubleshoots operating equipment or test articles, and installations in case of malfunction.
Fuel Farm Machinist	Tennessee	CBA	Under general supervision, operates and maintains fuel storage and distribution systems and equipment. Receives, samples, stores, transfers, and issues fuel through pipelines and tank trucks. Operates and maintains a high pressure LN2/GN2 conversion facility, distribution system and equipment.
Fuel Farm Machinist Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and operates and maintains fuel storage and distribution systems and equipment. Receives, samples, stores, transfers, and issues fuel through pipelines and tank trucks. Operates and maintains a high pressure LN2/GN2 conversion facility, distribution system and equipment.
General Maintenance	Tennessee	CBA	Under general supervision, performs minor maintenance and repair tasks within the following occupations; Painting, Carpentry, Pipefitting, Electrical and Refrigeration. Will also perform incidental Laborer and Teamster functions. Performs minor laborer to accomplish work at hand; interior plumbing to worker's capability, minor repairs such as adjusting doors and windows, including knobs and locks, carpet repairs, patching holes in walls, touching up spots, puttying, caulking, scraping, sanding interior and exterior structures, electrical repair such as replacing light bulbs, switches, switch covers, outlets, outlet covers, dishwashers, garbage disposals, hot water elements and door bells. Picks up and carries minor amounts of materials, but will not make major deliveries. Replaces and cleans air conditioning filters.
Heavy Equipment Mechanic	Tennessee	CBA	Under general supervision, repairs and maintains heavy gasoline- and diesel- powered construction and engineering equipment, such as bulldozers; tractors; road graders; mobile cranes; prime movers; railway equipment, power lawnmowers; and others. Troubleshoots and determines corrective measures in case of breakdown.
Heavy Equipment Mechanic Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and repairs and maintains heavy gasoline- and diesel- powered construction and engineering equipment, such as bulldozers; tractors; road graders; mobile cranes; prime movers; railway equipment, power lawnmowers; and others. Troubleshoots and determines corrective measures in case of breakdown.
Instrument Technician	California	CBA	Under general supervision, calibrates and repairs various instruments for electrical and mechanical measurements. Modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electrical, electromechanical, and electronic indicating and recording instruments and precision measuring equipment used in aeronautical tests and research activities and in plant control. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems. Connects instruments to computers and recording devices. Adjusts and calibrates instruments as directed and adapts them to new or extended uses. Assists in servicing and adjusting computers, microprocessors, and peripheral devices. Installs and adjusts instrument optical systems; troubleshoots and maintains instruments, instrument systems, computer, and recording devices.
Instrument Technician	Tennessee	CBA	Under general supervision, calibrates and repairs various instruments for electrical and mechanical measurements. Modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electrical, electromechanical, and electronic indicating and recording instruments and precision measuring equipment used in aeronautical tests and research activities and in plant control. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems. Connects instruments to computers and recording devices. Adjusts and calibrates instruments as directed and adapts them to new or extended uses. Assists in servicing and adjusting computers, microprocessors, and peripheral devices. Installs and adjusts instrument optical systems; troubleshoots and maintains instruments, instrument systems, computer, and recording devices.

Instrument Technician III	Tennessee	CBA	Under general supervision, calibrates and repairs various instruments for electrical and mechanical measurements. Modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electrical, electromechanical, and electronic indicating and recording instruments and precision measuring equipment used in aeronautical tests and research activities and in plant control. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems.
Instrument Technician IV	Tennessee	CBA	Under general supervision and direction as a working group leader, modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electromechanical, and electronic indicating and recording instruments and precision measuring equipment used in aeronautical tests and research activities and in plant controls. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems.
Instrument Technician Lead	California	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and calibrates and repairs various instruments for electrical and mechanical measurements. Modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electrical, electromechanical, and electronic indicating and recording instruments and precision measuring equipment used in aeronautical tests and research activities and in plant control. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems. Connects instruments to computers and recording devices. Adjusts and calibrates instruments as directed and adapts them to new or extended uses. Assists in servicing and adjusting computers, microprocessors, and peripheral devices. Installs and adjusts instrument optical systems; troubleshoots and maintains instruments, instrument systems, computer and recording devices.
Instrument Technician Specialist	Tennessee	CBA	Under general supervision primarily in an instrument organization, accomplishes corrective maintenance on complex electronic instrumentation systems and equipment such as computers and associated peripherals, data acquisition and control systems, display and analysis systems, high speed communication networks, and analog and digital data recording systems. This job requires coordination with persons reporting problems, assessing the normal functional behavior of equipment, verifying that trouble exists, locating the source of problems, taking reliable and credible corrective action, verifying and reporting that normal functional behavior has been restored, and documenting with sketches, block or logic diagrams, or schematics any changes and modifications required.
Instrument Technician Specialist Lead	Tennessee	N/A	Under general supervision primarily in an instrument organization, as a working group leader over lower grade craftsmen, directs and accomplishes corrective maintenance on complex electronic instrumentation systems and equipment such as computers and associated peripherals, data acquisition and control systems, display and analysis systems, high speed communication networks, and analog and digital data recording systems. This job requires coordination with persons reporting problems, assessing the normal functional behavior of equipment, verifying that trouble exists, locating the source of problems, taking reliable and credible corrective action, verifying and reporting that normal functional behavior has been restored, and documenting with sketches, block or logic diagrams, or schematics any changes and modifications required.
Instrument Technician V	Tennessee	CBA	Under general supervision and direction as a highly skilled instrument technician, modifies, fabricates, maintains, repairs, and calibrates a wide variety of mechanical, optical, electrical, electromechanical, and electronic indicating and recording instrument and test, measurements, diagnostic equipment used in aeronautical test and research activities and in plant controls. Performs diagnostic and troubleshooting activities required to service discrete and digital logic instrument control systems.
Ironworker	Tennessee	CBA	Under general supervision, fabricates, erects, installs, and repairs metal structures, parts, and assemblies used in aerospace testing equipment, buildings, and related activities. Lays out, cuts, and fits metal components. Assembles fabricated parts by welding, riveting, or bolting. Cuts, chips, and grinds metal to smooth irregularities or rough surfaces. May rig metal structures, assemblies, parts, and equipment for lifting, moving, or installing. Makes on-site changes or adjustments to assemblies and parts to ensure accurate fittings. Works with metal working tools and equipment as required. Accomplishes Rigger Machinery mover functions associated with primary ironworker activities.
Ironworker Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and fabricates, erects, installs, and repairs metal structures, parts, and assemblies used in aerospace testing equipment, buildings, and related activities. Lays out, cuts, and fits metal components. Assembles fabricated parts by welding, riveting, or bolting. Cuts, chips, and grinds metal to smooth irregularities or rough surfaces. May rig metal structures, assemblies, parts, and equipment for lifting, moving, or installing. Makes on-site changes or adjustments to assemblies and parts to ensure accurate fittings. Works with metal working tools and equipment as required. Accomplishes Rigger Machinery mover functions associated with primary ironworker activities.
Laborer	Tennessee	CBA	Under general supervision, performs a wide variety of laboring tasks either inside or outside, subject to all kinds of weather conditions. Performs heavy manual work, such as digging and backfilling trenches and holes; Moves furniture; Mixes, carries, and places concrete; Lays drain pipe other than cast iron; Spreads dirt, cinders, or gravel; Operates power lawn care equipment, chemical spreader, asphalt kettle, distributor, electric and air tools, pumps, and concrete saws; Works with shovels, pick axes, jacks, brush cutters, and other hand tools; Moves, loads and unloads coal, earth, supplies, equipment, and other materials; Sets out, trims, prunes, and sprays shrubbery and cleans shore line of reservoir; Mixes pesticides and herbicides and operates chemical spray equipment to spray shrubbery and outside areas for control of weeds and insects.

Laborer Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs a wide variety of laboring tasks either inside or outside, subject to all kinds of weather conditions. Performs heavy manual work, such as digging and backfilling trenches and holes; Moves furniture; Mixes, carries, and places concrete; Lays drain pipe other than cast iron; Spreads dirt, cinders, or gravel; Operates power lawn care equipment, chemical spreader, asphalt kettle, distributor, electric and air tools, pumps, and concrete saws; Works with shovels, pick axes, jacks, brush cutters, and other hand tools; Moves, loads and unloads coal, earth, supplies, equipment, and other materials; Sets out, trims, prunes, and sprays shrubbery and cleans shore line of reservoir; Mixes pesticides and herbicides and operates chemical spray equipment to spray shrubbery and outside areas for control of weeds and insects.
Lineman	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs lineman work of journeyman level in installation, maintenance, and repair of energized high- and low-voltage power transmission lines and substation equipment. Erects and repairs communication and power transmission poles and lines. Installs and maintains high-voltage transformers, transformer banks, cables, and line switches. Runs power lines to electric motors and generators. Inspects lines and equipment and reports needed repairs. Tests high voltage circuits and substation equipment. Installs and repairs buses in outdoor 161 KV and other substations.
Lineman Lead	Tennessee	CBA	Under general supervision, performs lineman work of journeyman level in installation, maintenance, and repair of energized high- and low-voltage power transmission lines and substation equipment. Erects and repairs communication and power transmission poles and lines. Installs and maintains high-voltage transformers, transformer banks, cables, and line switches. Runs power lines to electric motors and generators. Inspects lines and equipment and reports needed repairs. Tests high voltage circuits and substation equipment. Installs and repairs buses in outdoor 161 KV and other substations.
Machinist	Tennessee	CBA	Under general supervision performs a wide variety of technical, mechanical, electrical, and manual work in the testing, operating, and/or assembly and shop areas of an Engineering Test Facility; prepares Test Facility equipment for operations; prepares test articles for testing, installs test articles, and checks installations; troubleshoots equipment, test articles, and installations in case of malfunctions; operates plant and test equipment during tests; assists in test and operates test articles such as controls for engines and rockets; removes test articles after tests; installs and maintains facility systems; accomplishes maintenance and servicing work required to place and keep test facility equipment in operation.
Mechanic	California	CBA	Under general supervision, performs journeyman-level work to maintain, repair, and troubleshoot automotive equipment such as passenger cars, trucks, trailers, utility vehicles, fire, rescue and emergency equipment; and the motors of portable generators, air compressors, pumps, material handling, and other equipment.
Mechanic Lead	California	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs journeyman-level work to maintain, repair, and troubleshoot automotive equipment such as passenger cars, trucks, trailers, utility vehicles, fire, rescue and emergency equipment; and the motors of portable generators, air compressors, pumps, material handling, and other equipment.
Mobile Crane Operator	Tennessee	CBA	Under general supervision, operates a variety of gasoline-, electric-, or diesel-powered engineering equipment such as lattice boom, hydraulic and overhead cranes, forklifts, mobile cranes, pile drivers, any track or crawler mounted cranes, and, including overhead cranes. Loads and unloads trucks or railroad cars. Moves and positions structural steel, machinery, equipment and other items. Estimates weight of loads and decides on procedures and methods for moving. Performs operator maintenance, makes minor repairs, and maintains equipment in a clean and orderly manner. Reports need for and assists in making major repairs.
Mobile Crane Operator Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs and operates a variety of gasoline-, electric-, or diesel-powered engineering equipment such as lattice boom, hydraulic and overhead cranes, forklifts, mobile cranes, pile drivers, any track or crawler mounted cranes, and, including overhead cranes. Loads and unloads trucks or railroad cars. Moves and positions structural steel, machinery, equipment and other items. Estimates weight of loads and decides on procedures and methods for moving. Performs operator maintenance, makes minor repairs, and maintains equipment in a clean and orderly manner. Reports need for and assists in making major repairs.
OE Test Controller I	Tennessee	CBA	Under general supervision, performs technical, mechanical, electrical and manual work in the testing, operating, and/or assembly and shop areas of an engineering test facility; prepares plant equipment for operations; troubleshoots equipment in case of malfunctions; operates plant equipment during tests; installs and maintains facility systems; accomplishes maintenance and servicing as required to place and keep test facility equipment in operation. Directs and performs a wide variety of technical, mechanical, electrical, and manual work in the control room, testing, operating, and/or assembly and shop areas of an engineering test facility; checks out and prepares plant and test facility equipment for operations; installs and maintains facility systems, operates test facility, plant equipment, and accomplishes maintenance and servicing work as required to place and keep such equipment in operation.

Operating Engineer	Tennessee	CBA	Under general supervision performs technical, mechanical, electrical and manual work in the testing, operating, and/or assembly and shop areas of an engineering test facility; prepares plant equipment for operations; troubleshoots equipment in case of malfunctions; operates plant equipment during tests; installs and maintains facility systems; accomplishes maintenance and servicing as required to place and keep test facility equipment in operation; uses a wide variety of hand and machine tools, powered equipment, measuring and testing equipment.
Operating Engineer Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs technical, mechanical, electrical and manual work in the testing, operating, and/or assembly and shop areas of an engineering test facility; prepares plant equipment for operations; troubleshoots equipment in case of malfunctions; operates plant equipment during tests; installs and maintains facility systems; accomplishes maintenance and servicing as required to place and keep test facility equipment in operation; uses a wide variety of hand and machine tools, powered equipment, measuring and testing equipment.
Painter / Sign Painter	Tennessee	CBA	Under general supervision, performs a wide variety of journeyman level brush, spray, and other painting, including signs. Lays out and paints sign on metal, wood, and other materials. Prepares surfaces and finishes surfaces by sandblasting or hand cleaning, patching, sanding, scraping, filling, sizing, and applying base paint.
Painter / Sign Painter Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs a wide variety of journeyman level brush, spray, and other painting, including signs. Lays out and paints sign on metal, wood, and other materials. Prepares surfaces and finishes surfaces by sandblasting or hand cleaning, patching, sanding, scraping, filling, sizing, and applying base paint.
Pipefitter	Tennessee	CBA	Under general supervision and from blueprints, drawings, or sketches, performs troubleshooting and repair of high-pressure and complex piping systems. Sets up and operates all tools and equipment common to the trade. Locates and positions pipes and fittings. Measures and cuts pipe. Cuts threads with pipe dies and stocks. Fabricates complex pipe work of all types. Installs, modifies, repairs, and maintains piping system and sprinkler system for carrying air, gas, steam, water, sewage, drainage, oil, fuels, and other liquids or gases. Makes flange, bell and spigot, screw, and ring connections. Installs valves. When minor repairs or alternations are made, paints, coats, insulates, or waterproofs pipe.
Pipefitter Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs troubleshooting and repair of high-pressure and complex piping systems. Sets up and operates all tools and equipment common to the trade. Locates and positions pipes and fittings. Measures and cuts pipe. Cuts threads with pipe dies and stocks. Fabricates complex pipe work of all types. Installs, modifies, repairs, and maintains piping system and sprinkler system for carrying air, gas, steam, water, sewage, drainage, oil, fuels, and other liquids or gases. Makes flange, bell and spigot, screw, and ring connections. Installs valves. When minor repairs or alternations are made, paints, coats, insulates, or waterproofs pipe.
Power Equipment Operator	Tennessee	CBA	Under general supervision, operates a variety of steam-, gasoline-, electric- or diesel-powered engineering equipment such as bulldozers, heavy-duty forklifts, mobile cranes, pile drivers, power shovels, overhead cranes, railroad switch engines, drag lines, motor patrol, graders, trenchers, scrapers, backhoes, and others to move earth, coal, and other material and equipment. Loads and unloads trucks or railroad cars. Moves and positions structural steel, machinery, equipment and other items. Estimates weight of loads and decides on procedures and methods for moving. Performs operator maintenance, makes minor repairs, and maintains equipment in a clean and orderly manner.
Power Equipment Operator Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and operates a variety of steam-, gasoline-, electric- or diesel-powered engineering equipment such as bulldozers, heavy-duty forklifts, mobile cranes, pile drivers, power shovels, overhead cranes, railroad switch engines, drag lines, motor patrol, graders, trenchers, scrapers, backhoes, and others to move earth, coal, and other material and equipment. Loads and unloads trucks or railroad cars. Moves and positions structural steel, machinery, equipment and other items. Estimates weight of loads and decides on procedures and methods for moving. Performs operator maintenance, makes minor repairs, and maintains equipment in a clean and orderly manner.
Power Equipment Serviceman	Tennessee	CBA	Under general supervision or in response to requests from operators of equipment, refuels; lubricates; and services a wide variety of powered equipment, often at remote locations. Hauls fuel and lubricants to scene of operation. Upon arrival, lubricates, fuels, and services heavy gasoline- and diesel- powered and towed equipment. Records preventive maintenance services performed and keeps record of fuels, lubricants, and materials used. Keeps fuel-servicing equipment clean and in good working order. Operates forklifts as needed around the Vehicle Maintenance Shop to lift and move heavy articles.
Power Switchboard Operator	Tennessee	CBA	Under general supervision, performs switching operations and operates all equipment in 161 KV and 13.8 KV substations and at other points of distribution system as may be required to maintain or change power flow. Makes inspections of equipment. Patrols and inspects overhead power lines. Detects and reports abnormal conditions and takes necessary corrective measures. Protects equipment from damage in emergencies, as possible. Determines causes and performs operations necessary to isolate faulty equipment and restore service. Performs or directs high voltage switching.

Power System Dispatcher	Tennessee	CBA	Under general supervision in a central control room, has responsibility for operation of electrical distribution system for controlling power dispatched at AEDC according to power agreement with TVA and for supplying power to facilities according to an approved schedule. Controls load on feeders within specified limitations. Directs electrical switching operations at various stations to isolate faulty equipment, to maintain or restore service, and to provide for maintenance and repair. In emergencies or in absence of a power switchboard operator, operates central switchboard equipment. Directs patrolling operations in emergencies.
Precision Inspector III	Tennessee	CBA	Under general supervision, and following established procedures, performs calibration, adjustment and repair for a wide variety of Test Measuring and Diagnostic Equipment (TMDE). Uses physical/dimensional calibration standards and TMDE such as micrometers, calipers, gauges, and testers. Performs mathematical functions associated with performance charts, and prepares technical data in established format
Precision Inspector IV	Tennessee	CBA	Under general supervision and direction as a working group leader, follows established procedures, performs calibration, adjustment and repair for a wide variety of Test Measuring and Diagnostic Equipment (TMDE). Uses all calibration tools such as micrometers, calipers, gauges, hardness testers, roughness gauges, optical alignment tooling, optical measuring equipment, and other equipment for calibration purposes Performs mathematical functions associated with performance charts, and prepares technical data in established format.
Precision Inspector V	Tennessee	CBA	Under general supervision, calibrates and repairs dimensional measuring equipment. Interprets prints and specifications to ascertain that all parts are complete and in working order. Uses all calibration tools such as micrometers, calipers, gauges, hardness testers, roughness gauges, optical alignment tooling, optical measuring equipment, and other equipment for calibration purposes. Visually and with mechanical or optical tools, calibrates machine tools and heavy rotating equipment; repairs or modifies to ensure completeness of work and general conditions. Calibrates, adjusts, and reconditions precision instruments such as micrometers, height gauges, precision blocks, optical tooling and others to determine dimensional accuracy and quality.
Refrigeration / AC Mechanic	Tennessee	CBA	Under general supervision, installs, maintains, troubleshoots, repairs, and modifies refrigeration; heating; and air conditioning systems and equipment. Checks units for damage, wear of parts, and evidence of breakdown. Tests automatic pressure regulators, thermostats, valves, controls, and regulators. Looks and tests for CFC gas leaks. Troubleshoots and makes complete repairs to compressors, condensers, evaporators, tubing, control devices, cooling towers, pumps, ducting, fans, and other parts.
Refrigeration / AC Mechanic Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and installs, maintains, troubleshoots, repairs, and modifies refrigeration; heating; and air conditioning systems and equipment. Checks units for damage, wear of parts, and evidence of breakdown. Tests automatic pressure regulators, thermostats, valves, controls, and regulators. Looks and tests for CFC gas leaks. Troubleshoots and makes complete repairs to compressors, condensers, evaporators, tubing, control devices, cooling towers, pumps, ducting, fans, and other parts.
Rigging Certifier	Tennessee	CBA	Under general supervision responsible for the inspection of all rigging equipment base-wide. Performs the duties of an Ironworker and fabricates, erects, installs and repairs metal structures, parts, and assemblies items used in Aerospace Testing equipment, buildings and related activities. Lays out, cuts and fits metal components. Assembles fabricated parts by welding, riveting or bolting. Cuts, chips and grinds metal to smooth irregularities or rough surfaces. May rig metal structures, assemblies, parts and equipment for lifting, moving or installing. Makes on-site changes or adjustments to assemblies and parts to ensure accurate fitting.
Sheet Metal Worker	Tennessee	CBA	Under general supervision, performs and directs others in making a variety of ferrous and nonferrous sheet metal items for ducts, cowls, fairings, spouts, guards, shields, deflectors, and other new or replacement parts for test items, equipment, etc. Obtains necessary measurements for sheet metal work to be performed from blueprints, charts, sketches, verbal information, or by taking measurements at actual point of installation. Sets up and operates all cutting, fabricating, and forming machines and tools. Forms strengthening beads, joggle and double curvatures.
Sheet Metal Worker Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, directs and performs and directs others in making a variety of ferrous and nonferrous sheet metal items for ducts, cowls, fairings, spouts, guards, shields, deflectors, and other new or replacement parts for test items, equipment, etc. Obtains necessary measurements for sheet metal work to be performed from blueprints, charts, sketches, verbal information, or by taking measurements at actual point of installation. Sets up and operates all cutting, fabricating, and forming machines and tools. Forms strengthening beads, joggle and double curvatures.
Storekeeper	Tennessee	CBA	Under general Supervision or Lead Storekeeper's direction works in Bench Stock/Shop Stocks, Warehouse, Storage, Salvage Yard, Receiving, Shipping, HazMat, and Distribution Team areas. Loads, unloads, moves and straightens stock. Checks, identifies, and verifies accuracy of records and quantities of material received, stored, shipped, or issued. Reviews incoming material for overage, shortage, damage and obvious defects. Tags components and updates CMMS Records.

Storekeeper Lead	Tennessee	CBA	Under general Supervision as a working group leader over lower grade craftsmen, leads, instructs, and assists activities of Storekeepers in the following areas: Bench Stock/Shop Stocks, Warehouse, Storage, Salvage Yard, Receiving, Shipping, HazMat, and Distribution Team areas. Loads, unloads, moves and straightens stock. Checks, identifies, and verifies accuracy of records and quantities of material received, stored, shipped, or issued. Receives, transports, stores and initiates records of all incoming/outgoing test material. On site loading/unloading of aircrafts.
Truck Driver	Tennessee	CBA	Under general supervision, drives a variety of trucks, dump trucks, trailer vans, low-bed trailers, tank trailers, and others with load capacity up to thirty tons. Operates special purpose vehicles as required. Tows heavy equipment. Assists in and directs proper loading or unloading of a variety of shipments. Assumes responsibility of cargo, accomplishes any tie downs as necessary; checks items for correctness, and obtains signature of receiver at destination. Ensures safety of passengers, cargo, and vehicle.
Truck Driver Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, leads and drives a variety of trucks, dump trucks, trailer vans, low-bed trailers, tank trailers, and others with load capacity up to thirty tons. Operates special purpose vehicles as required. Tows heavy equipment. Assists in and directs proper loading or unloading of a variety of shipments. Assumes responsibility of cargo, accomplishes any tie downs as necessary; checks items for correctness, and obtains signature of receiver at destination. Ensures safety of passengers, cargo, and vehicle.
Utility Operator - Cooling Water	Tennessee	CBA	Under general supervision, performs and directs performance of work in a pumping station, cooling tower or at any other part of the cooling water system under general supervision. Operates electrically driven turbine and centrifugal pumps, chlorinating equipment, valves, surge suppressors, cooling towers, heaters (electrical or fuel driven) and other auxiliary equipment. Inspects and performs operator/emergency maintenance.
Utility Operator - Cooling Water Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, leads and performs and directs performance of work in a pumping station, cooling tower or at any other part of the cooling water system under general supervision. Operates electrically driven turbine and centrifugal pumps, chlorinating equipment, valves, surge suppressors, cooling towers, heaters (electrical or fuel driven) and other auxiliary equipment. Inspects and performs operator/emergency maintenance.
Utility Operator - Steam Plant	Tennessee	CBA	Under general supervision, performs and directs performance of work in a pumping station, cooling tower or at any other part of the cooling water system under general supervision. Operates electrically driven turbine and centrifugal pumps, chlorinating equipment, valves, surge suppressors, cooling towers, heaters (electrical or fuel driven) and other auxiliary equipment. Inspects and performs operator/emergency maintenance.
Utility Operator - Steam Plant Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, leads and performs and directs performance of work in a pumping station, cooling tower or at any other part of the cooling water system under general supervision. Operates electrically driven turbine and centrifugal pumps, chlorinating equipment, valves, surge suppressors, cooling towers, heaters (electrical or fuel driven) and other auxiliary equipment. Inspects and performs operator/emergency maintenance.
Utility Operator - Waste Water	Tennessee	CBA	Under general supervision, operates or controls an entire process or system of machines, often through the use of control boards, to transfer or treat wastewater. Adds chemicals, such as ammonia, chlorine, or lime, to disinfect and deodorize water and other liquids. Inspects equipment or monitors operating conditions, meters, and gauges to determine load requirements and detect malfunctions. Collects and tests water and sewage samples, using test equipment and color analysis standards. Operates and adjusts controls on equipment to purify and clarify water, process or dispose of sewage, and generate power.
Utility Operator - Waste Water Lead	Tennessee	CBA	Under general supervision, as a working group leader over lower grade craftsmen, leads and operates or controls an entire process or system of machines, often through the use of control boards, to transfer or treat wastewater. Adds chemicals, such as ammonia, chlorine, or lime, to disinfect and deodorize water and other liquids. Inspects equipment or monitors operating conditions, meters, and gauges to determine load requirements and detect malfunctions. Collects and tests water and sewage samples, using test equipment and color analysis standards. Operates and adjusts controls on equipment to purify and clarify water, process or dispose of sewage, and generate power.
Acquisition Professional	California	Professional	Acquisitions Professionals provide primary oversight and administration in the following functional areas: inventory, purchasing, property, subcontracts, and material management.
Acquisition Professional	Tennessee	Professional	Acquisitions Professionals provide primary oversight and administration in the following functional areas: inventory, purchasing, property, subcontracts, and material management.
Base Civil Operations Electrical Systems Engineer	Tennessee	Professional	Responsible for the distribution of electrical power from the Tennessee Valley Authority to at least eight distribution substations to provide power to our test facilities and other infrastructure. Provide electrical engineering for emergency generators, batteries/UPS systems, cathodic protection, low to medium voltage systems and facility lighting systems. Provide support to ARC flash program as needed. Responsible for maintaining the preventive maintenance processes, field support to provide direction and make decisions on issues, engineering support for all proactive and corrective issues, spares management and the capital investment support for these systems.

Base Civil Operations Mechanical Systems Engineer	Tennessee	Professional	Supports the Facility Operations team with technical support for facility systems of overhead fixed cranes, mobile cranes, facility elevator systems, compressed air systems and breathing air support systems. Supporting all Facility Mechanical systems as a back-up for HVAC, fire and facility structure systems support. Duties include technical support and engineering life cycle maintenance and replacement of systems. Providing innovation and efficiencies in developing specifications, process improvements and support for design and installation of new equipment, modification, and maintenance of existing Facility systems equipment.
Chemical & Material Engineer	Tennessee	Professional	Provide support to organizations base-wide in material specification, selection, and processing, welding processes, quality control and testing, failure analysis, and scanning electron microscopy, aviation fuels analysis. Perform metallurgical tests, including tensile, impact, hardness, metallography, and scanning electron microscopy on raw materials, welds, and components in accordance with industry standards. Perform, document, and report mechanical failure analyses using metallurgical tests, optical microscopy, and scanning electron microscopy.
Construction Manager	Tennessee	Professional	Responsible for all jobsite activities and ensures construction operations are in compliance with design and specifications, and that construction operations are completed on schedule, within budget and to quality standards. Responsible for total site management including supervision of construction craft personnel, field engineering, contract administration, cost and schedule, field procurement, finance and accounting services, and industrial relations. Responsible for ensuring development and execution of Project Automation Plan, Environmental Compliance Plan, safety plan, site survey plan, non-manual staffing plan, subcontracting plan, labor strategy, Construction Execution Plan, and job-site work rules.
Craft Supervisor	California	Professional	Responsible for supervising and directing multi-discipline craft activities at NFAC to ensure work is executed properly & safely. Work with engineers, planners and schedulers to develop work plans and resource requirements, assign work, track work progress to ensure work stays on schedule and within allocated estimates and ensure work executed is performed per applicable safety, engineering, housekeeping and environmental standards as described in work packages and work instructions. Ensure compliance with Collective Bargaining Agreement (CBA). Focal point for day-to-day coordination of activities within the assigned test cell or plant area.
Craft Supervisor	Tennessee	Professional	Responsible for supervising and directing multi-discipline craft activities in the Aeropropulsion, Flight, Space & Missiles, and Technology Innovations Test and/or Plant Facilities to ensure work is executed properly & safely. Work with engineers, planners and schedulers to develop work plans and resource requirements, assign work, track work progress to ensure work stays on schedule and within allocated estimates and ensure work executed is performed per applicable safety, engineering, housekeeping and environmental standards as described in work packages and work instructions. Ensure compliance with Collective Bargaining Agreement (CBA). Focal point for day-to-day coordination of activities within the assigned test cell or plant area.
Design / Drafter	California	SCLS	Performs drafting/design work manually or using a computer, requiring knowledge and skill in drafting methods, procedures, and techniques, prepares drawings of structures, facilities, land profiles, water systems, mechanical and electrical equipment, pipelines, duck systems, and similar equipment, systems, and assemblies. Generate complex 2-D drawings or 3-D CAD design models; Develop or review designs by extracting and analyzing a variety of engineering data, applying conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, and parts lists.
Design / Drafter	Tennessee	SCLS	Performs drafting/design work manually or using a computer, requiring knowledge and skill in drafting methods, procedures, and techniques, prepares drawings of structures, facilities, land profiles, water systems, mechanical and electrical equipment, pipelines, duck systems, and similar equipment, systems, and assemblies. Generate complex 2-D drawings or 3-D CAD design models; Develop or review designs by extracting and analyzing a variety of engineering data, applying conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, and parts lists.
Design Engineer - Civil / Structural	Tennessee	Professional	Analyze and provide design concepts and solutions to support capital investment, test and maintenance projects. Design, evaluate, analyze, and assist in the fabrication and installation of hardware across the complex, such as one-of-a-kind mechanisms, wind tunnel models, and test fixtures, as well as building structures, support structures, roofs, roadways, site work, ladders and platforms.
Design Engineer - Electrical	Tennessee	Professional	Provide electrical design and coordination for electrical system and mechanical equipment renovations and upgrades, including single lines conduit and cable tray routing and electrical equipment layouts. Develops conceptual through critical design solutions for complex problems. Responsible for planning and design of a wide variety of electrical systems including underground/overhead distribution, installation of transformers and switchgear, substations, unit subs, MCCs, plant & building power, lighting systems, fire alarm systems, security systems, communication networks, grounding systems, and lightning protection systems.
Design Engineer - Mechanical	Tennessee	Professional	Design, evaluate, analyze, and provide support in the fabrication and installation of piping and process systems and equipment across the complex. Develops conceptual through critical design solutions for complex problems. Support a variety of capital investment projects, infrastructure upgrades, and test installations. Works closely with test and system engineers in development of project design requirements and ensuring proposed designs meet those requirements.

Electrical Engineer	California	Professional	Operate, troubleshoot, repair, maintain, and upgrade existing facility power systems (motors, generators, transformers, power distribution switchgear, control systems, variable frequency drives, etc.) Develop and/or maintain an effective preventive maintenance and asset management program for electrical and control systems. Provide technical guidance to personnel in setup, operation, maintenance, troubleshooting, and removal of systems.
Engineering Management	California	Professional	Responsible for planning, organizing, leading, and controlling the allocated resources of an engineering unit with significant impact upon the overall operations of a large group or the Company in total. Manages the overall working units' area of responsibility; develops and implements plans; determines personnel requirements and assigns/ evaluates results, provides employee counseling and complies with EEO/AA programs. Prepares resource estimates and complies with budget limitations. Manages and controls programs and non-project activities and resources. Implements quality, safety, and housekeeping standards.
Engineering Management	Tennessee	Professional	Responsible for planning, organizing, leading, and controlling the allocated resources of an engineering unit with significant impact upon the overall operations of a large group or the Company in total. Manages the overall working units' area of responsibility; develops and implements plans; determines personnel requirements and assigns/ evaluates results, provides employee counseling and complies with EEO/AA programs. Prepares resource estimates and complies with budget limitations. Manages and controls programs and non-project activities and resources. Implements quality, safety, and housekeeping standards.
Engineering Management	Maryland	Professional	Responsible for planning, organizing, leading, and controlling the allocated resources of an engineering unit with significant impact upon the overall operations of a large group or the Company in total. Manages the overall working units' area of responsibility; develops and implements plans; determines personnel requirements and assigns/ evaluates results, provides employee counseling and complies with EEO/AA programs. Prepares resource estimates and complies with budget limitations. Manages and controls programs and non-project activities and resources. Implements quality, safety, and housekeeping standards.
Engineering Technician	Tennessee	SCLS	Provide semi-professional technical support for engineers working in such areas as research, design, development, testing, or manufacturing process improvement. Work pertains to electrical, electronic, instrumentation, or mechanical components or equipment. Performs simple to non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project; selects and adapts plans, techniques, designs, or layouts.
Foreign Asset Engineer	Tennessee	Professional	Analyze and assess ground test facilities, test techniques, systems, and subsystems of varying design. Develop test techniques and apply technology developments to increase capabilities and advance the state of the art in ground testing. Apply working knowledge of fluid dynamics, thermodynamics, heat transfer, etc. to solve engineering problems. Pursue identified test facility enhancements and technologies that extend facility capability, reliability, and availability. Report writing, preparing and briefing presentations to senior leadership.
General Manager	Tennessee	Professional	Directs the overall operations of Company within the overall company objectives; develops and plans technical programs, and implements assigns personnel, and review results. Plans and controls resource requirements, and allocates and control resource utilization for Company. Serves as the primary interface of the Company to clients, industry groups, representatives of government and regulatory agencies, and the general public in the community of the establishment.
Human Resources	California	Professional	Human Resource Professionals provide support and administration in the following functional areas: benefits, compensation, staffing, labor relations, employee relations, training, and HR information systems.
Human Resources	Tennessee	Professional	Human Resource Professionals provide primary oversight and administration in the following functional areas: benefits, compensation, staffing, labor relations, employee relations, training, and HR information systems.
Industrial Engineer	California	Professional	Provide Industrial / Reliability Engineering supporting the development and implementation of RCM/PM Optimization Program, CBM, and ICM technologies. Work with Asset Managers and Asset Owners to implement a proactive maintenance program through a failure mode driven maintenance strategy, best practice planning & scheduling, proper application of reliability engineering principles, and the increased use of condition monitoring technologies for all assets at NFAC.
Industrial Engineer	Tennessee	Professional	Provide Industrial / Reliability Engineering supporting the development and implementation of RCM/PM Optimization Program, CBM, and ICM technologies. Work with Asset Managers and Asset Owners to implement a proactive maintenance program through a failure mode driven maintenance strategy, best practice planning & scheduling, proper application of reliability engineering principles, and the increased use of condition monitoring technologies for all assets across AEDC.
Information Systems & Technology Administrator	Tennessee	Professional	Provide primary system administration support to government IT systems with direct responsibility for security configuration, hardening, patching, and monitoring; configuration, deployment, and management of virtualization technology frameworks; building and maintaining approved secure baselines for server and client operating system images. Perform work which involves the design, configuration and maintenance of computer and network operating systems. Maintain system and information security based on government and DOD regulations.
Information Systems & Technology Engineer	Tennessee	Professional	IT Professionals supporting the design, development, sustainment, and deployment of AEDC Business Systems and manage the defensive cybersecurity capabilities. IT disciplines include database administrators, application administrators, server administrators, software developers, cyber security analysts and network engineers.

Instrumentation, Diagnostics, and Controls Engineer	California	Professional	Design, evaluate, analyze, and assist in the fabrication and installation of process system instrumentation and controls systems. Instrumentation and controls engineers work closely with test and system engineers in development of design requirements and ensuring proposed designs meet those requirements. Prepare interpret or review of calculations, specifications, plans, and drawings or diagrams which may include complex features.
Instrumentation, Diagnostics, and Controls Engineer	Maryland	Professional	Design, evaluate, analyze, and assist in the fabrication and installation of process system instrumentation and controls systems. Instrumentation and controls engineers work closely with test and system engineers in development of design requirements and ensuring proposed designs meet those requirements. Prepare interpret or review of calculations, specifications, plans, and drawings or diagrams which may include complex features.
Instrumentation, Diagnostics, and Controls Engineer	Tennessee	Professional	Design, evaluate, analyze, and assist in the fabrication and installation of process system instrumentation and controls systems. Instrumentation and controls engineers work closely with test and system engineers in development of design requirements and ensuring proposed designs meet those requirements. Prepare interpret or review of calculations, specifications, plans, and drawings or diagrams which may include complex features.
Instrumentation, Diagnostics, and Controls System Admin	Tennessee	Professional	Responsible for system administration of computers and networks used at Arnold Engineering Development Complex (AEDC) operations. responsible for security configuration, hardening, patching, and monitoring; configuration, deployment, and management of virtualization technology frameworks; building and maintaining approved secure baselines for server and client operating system images. Perform work which involves the design, configuration and maintenance of computer and network operating systems. Maintain system and information security based on government and DOD regulations.
IT Engineer	California	Professional	Design, evaluate, analyze, and assist in the fabrication and installation of process system instrumentation and controls systems. Instrumentation and controls engineers work closely with test and system engineers in development of design requirements and ensuring proposed designs meet those requirements. Prepare interpret or review of calculations, specifications, plans, and drawings or diagrams which may include complex features.
Mechanical Engineer	California	Professional	Provide mechanical engineering support to two primary functions: System Engineering and Design Engineering. Mechanical System Engineers oversee installation, operation, maintenance, and repair of major mechanical equipment that provides test conditions to the test facilities, such as large air compressors, pumps, hydraulic systems, pneumatic systems, valves, gearboxes, actuators, drive systems, ducting, process piping, and many other pieces of equipment that require mechanical expertise. Mechanical Design Engineers design, evaluate, analyze, and assist in the fabrication and installation of hardware across the complex including process piping systems, drive systems, mechanisms, and test hardware.
Mechanical Engineer	Maryland	Professional	Provide mechanical engineering support to two primary functions: System Engineering and Design Engineering. Mechanical System Engineers oversee installation, operation, maintenance, and repair of major mechanical equipment that provides test conditions to the test facilities, such as large air compressors, pumps, hydraulic systems, pneumatic systems, valves, gearboxes, actuators, drive systems, ducting, process piping, and many other pieces of equipment that require mechanical expertise. Mechanical Design Engineers design, evaluate, analyze, and assist in the fabrication and installation of hardware across the complex including process piping systems, drive systems, mechanisms, and test hardware.
Mechanical Engineer	Tennessee	Professional	Provide mechanical engineering support to two primary functions: System Engineering and Design Engineering. Mechanical System Engineers oversee installation, operation, maintenance, and repair of major mechanical equipment that provides test conditions to the test facilities, such as large air compressors, pumps, hydraulic systems, pneumatic systems, valves, gearboxes, actuators, drive systems, ducting, process piping, and many other pieces of equipment that require mechanical expertise. Mechanical Design Engineers design, evaluate, analyze, and assist in the fabrication and installation of hardware across the complex including process piping systems, drive systems, mechanisms, and test hardware.
Mechanical Field Engineer	Tennessee	Professional	Monitor and inspect the quality of work performed, providing engineering guidance to superintendents and construction professionals, assisting personnel in meeting cost and time schedules, verifying materials, equipment, and workmanship, and ensuring the results meet specified design requirements. Coordinate with engineering on constructability and design issues relating to the mechanical discipline and/or the piping discipline such as mechanical equipment installation, piping installation, maintenance, and testing. Responsible for quantity take-off, control, tracking, reporting and forecasting for mechanical discipline.
Model & Simulation Engineer	Tennessee	Professional	Apply Computational Fluid Dynamics (CFD) tools to relevant test facility issues, assess concepts, analyze expected performance, and troubleshoot problems with ground test infrastructure systems used in the execution of ground testing of air and space vehicles. Analyze and identify deficiencies in existing computational fluid dynamics (CFD) codes; formulate, implement, and validate improvements to overcome those deficiencies; and develop new computational approaches in the areas of fluid-thermal chemistry, turbulence, numerical algorithms, and code-processing.
Network Engineer	Maryland	Professional	Maintain oversight and responsibility for networking infrastructure and capabilities to support test and evaluation related data transmission. Perform administration, configuration, installation, and troubleshooting of networking hardware, services, and protocols. Primary technical lead for network architecture and advanced networking capabilities to advise and compose prescribed configuration actions to other technical members of the staff for the deployment of systems and services.

Network Engineer	Tennessee	Professional	Maintain oversight and responsibility for networking infrastructure and capabilities to support test and evaluation related data transmission. Perform administration, configuration, installation, and troubleshooting of networking hardware, services, and protocols. Primary technical lead for network architecture and advanced networking capabilities to advise and compose prescribed configuration actions to other technical members of the staff for the deployment of systems and services.
Operations & Maintenance	Maryland	Professional	Responsible for the design, evaluate, analyze, and assist in the fabrication and installation of process systems, piping and hardware. This person will work within a multi-discipline team and coordinate with other engineers, designers, and vendors to develop design requirements and ensure the proposed designs meet those requirements. Develop concepts for new process systems to meet applicable codes and standards; providing hydraulic, thermal, or other analysis as needed to support the proposed design. Serve as the design point of contact on assigned tasks within the project. Coordinate within the multi-discipline team to ensure that design input into cost, schedule, and other project-level decisions is accurate and complete.
Operations Specialist	Tennessee	Professional	Supports O&M Function performing such duties as: responsible for performing Davis-Bacon analysis; responsible for the Tool Control Program; develop and maintain O&M metrics; perform data analysis; O&M database administrator; and building manager.
Planner / Scheduler	Tennessee	Professional	Build weekly and daily schedules for assigned craft crew, creating job packages for the assigned craft crew, maintain Job Plan library, and coordinating with other work management personnel across the site to ensure any collaborative jobs are effectively executed.
Plant Electrical Mechanical Engineer	Tennessee	Professional	Provide technical direction for safe and reliable operation of mechanical and electrical plant equipment. Responsible for the safe operations and maintenance of the assigned Plant/Test Facilities. Address operations of plant equipment, providing operational work instructions, risk assessments, and equipment sequencing and scheduling in support of test programs. Preparation, interpretation or review of calculations, specifications, plans, investigations, surveys, structures, systems or equipment with relatively few complex features.
Plant Electrical Systems Engineer	Tennessee	Professional	Oversee installation, operation, maintenance, and repair of major equipment such as large motors, refrigeration systems, compressors, heaters, dryers, etc. that reliably provide test conditions to the test facilities to ensure equipment is installed and functioning according to specifications. Evaluate mechanical, thermal, and electromechanical systems by applying principles of mechanics, thermodynamics, hydraulics, pneumatics, heat transfer, and materials of construction.
Plant Operations Engineer	Tennessee	Professional	Provide technical direction for safe and reliable operation of mechanical and electrical plant equipment. Responsible for the safe operations and maintenance of the assigned Plant/Test Facilities. Address operations of plant equipment, providing operational work instructions, risk assessments, and equipment sequencing and scheduling in support of test programs. Preparation, interpretation or review of calculations, specifications, plans, investigations, surveys, structures, systems or equipment with relatively few complex features.
Prime Contracts Professional	Tennessee	Professional	Provide support to the project management team in the effective administration of the prime contract between Company and the Air Force. Perform research in the contract terms and conditions, performance work statement, contract data requirements list, other contract documents, the Federal Acquisition Regulations and supplements, and other regulatory documents. Provide contract scope guidance based on terms and conditions, performance work statement, contract data requirements list, and other contractual documents.
Project Controls - Cost Performance Analyst	Tennessee	Professional	Provide customer support regarding planning, estimating, execution and reporting of projects, specifically funding scenarios and out year planning exercises. Responsible for coordination and support of control account managers in the development of project estimates, monitoring of project cost performance, funding availability and EVM related reporting. Responsible for the supporting collection of the RBA workload, and reporting of that workload on a monthly basis to both internal Company customers and external Government customers. Responsible for supporting the monthly collection, assimilation, and reporting of AEDC Utility pool information. Perform budget, financial and cost variance analysis on a weekly and monthly basis.
Project Controls - Scheduler	Tennessee	Professional	Develops, maintains, statuses and analyzes the Integrated Master Schedule within Oracle P6. Managing at the resource level as well as planned dates and durations. Conducts in-depth schedule analysis of project schedules and their interdependencies to identify and clearly communicate potential areas of asset and/or resource conflict. Support daily, weekly and monthly schedule reporting requirements. Develop resource curves and resource planning.
Project Engineer	Tennessee	Professional	Supports the development of technical scope, requirements, estimates, and schedules for capital investment, test, and maintenance projects. Responsible for coordination of engineering deliverables on a project or group of projects. Coordinates with the Project Managers, Group Managers and Functional Managers to secure the resources needed to complete design activities. Works with Project Controls to develop work breakdown structures; Critical Path Method (CPM) schedules; and resource, cost and budget plans.
Project Management	California	Professional	Responsible for program/project management leadership for a group of large and complex multidisciplinary projects with a strong emphasis on design and technology including capital improvement projects. Manage large, complex projects; track and control scope of work, resource utilization, schedules, and work accomplishments; initiate corrective actions as required; maintain contact with the client, resolve contractual conflicts, or elevate conflicts to branch level for resolution. Facilitate the collection of project requirements, objectives and customer expectations, and clearly communicates this information to project teams.

Project Management Analyst	Tennessee	Professional	Support the Project Managers managing large and complex capital improvement projects in an assigned branch. Prepare and provide reports for that assist the Project Managers with tracking and control of the scope of work, resource utilization, schedules, and work accomplishments. Collect and analyze data for trends and clearly communicate this information to Project Managers. Perform cost and performance measurement analysis against planned and estimated scope under the supervision of the Project Managers. Support preparation of Project Plans and associated documents such as using cost, schedule, and performance objectives, resource plans, verification and validation and risk management plans
Project Manager	Tennessee	Professional	Responsible for program/project management leadership for a group of large and complex multidisciplinary projects with a strong emphasis on design and technology including capital improvement projects. Manage large, complex projects; track and control scope of work, resource utilization, schedules, and work accomplishments; initiate corrective actions as required; maintain contact with the client, resolve contractual conflicts, or elevate conflicts to branch level for resolution. Facilitate the collection of project requirements, objectives and customer expectations, and clearly communicates this information to project teams.
Safety, Health and Environmental Professional	California	Professional	Provides safety, health, and environmental consulting support to assigned organization and to Safety, Health, and Environmental (SH&E) Branch. Integrates safety issues and requirements into all aspects of assigned area of responsibility. Has technical responsibility for interpreting complex requirements, evaluating and applying appropriate safety engineering principles into scopes of work, plans, and methodologies suitable for achieving and maintaining compliance with safety requirements. Primary responsibility is to manage, review, approve and track hazardous chemicals. Engage in integration of environmental issues and requirements into documents, permit applications, design specifications, criteria, schedules, and subcontract packages. Has technical responsibility for interpreting requirements, applying appropriate scientific/environmental engineering principles, formulating scopes of work, and maintaining compliance with environmental requirements. Provide Industrial Hygiene technical support and guidance.
Safety, Health and Environmental Professional	Maryland	Professional	Provides safety, health, and environmental consulting support to assigned organization and to Safety, Health, and Environmental (SH&E) Branch. Integrates safety issues and requirements into all aspects of assigned area of responsibility. Has technical responsibility for interpreting complex requirements, evaluating and applying appropriate safety engineering principles into scopes of work, plans, and methodologies suitable for achieving and maintaining compliance with safety requirements. Primary responsibility is to manage, review, approve and track hazardous chemicals. Engage in integration of environmental issues and requirements into documents, permit applications, design specifications, criteria, schedules, and subcontract packages. Has technical responsibility for interpreting requirements, applying appropriate scientific/environmental engineering principles, formulating scopes of work, and maintaining compliance with environmental requirements. Provide Industrial Hygiene technical support and guidance.
Safety, Health and Environmental Professional	Tennessee	Professional	Provides safety, health, and environmental consulting support to assigned organization and to Safety, Health, and Environmental (SH&E) Branch. Integrates safety issues and requirements into all aspects of assigned area of responsibility. Has technical responsibility for interpreting complex requirements, evaluating and applying appropriate safety engineering principles into scopes of work, plans, and methodologies suitable for achieving and maintaining compliance with safety requirements. Primary responsibility is to manage, review, approve and track hazardous chemicals. Engage in integration of environmental issues and requirements into documents, permit applications, design specifications, criteria, schedules, and subcontract packages. Has technical responsibility for interpreting requirements, applying appropriate scientific/environmental engineering principles, formulating scopes of work, and maintaining compliance with environmental requirements. Provide Industrial Hygiene technical support and guidance.
Senior Staff Engineer	California	Professional	Function as a subject matter expert for NFAC facilities, which includes technical analysis support in the areas of system and component level facility modeling and simulation, operational capabilities and anomalies, feasibility studies, performance requirements for facility enhancements, and modification trade studies. Independently perform complex professional engineering or scientific assignments in support of a test asset or technology demanding unique contributions, which call for the application of advanced specialized engineering or scientific principles, the results of which occasionally involve advancements to the state of the art.
Senior Staff Engineer	Tennessee	Professional	Function as a subject matter expert for AEDC facilities, which includes technical analysis support in the areas of system and component level facility modeling and simulation, operational capabilities and anomalies, feasibility studies, performance requirements for facility enhancements, and modification trade studies. Independently perform complex professional engineering or scientific assignments in support of a test asset or technology demanding unique contributions, which call for the application of advanced specialized engineering or scientific principles, the results of which occasionally involve advancements to the state of the art.
Senior Staff Scientist	California	Professional	Function as a subject matter expert for NFAC facilities, which includes technical analysis support in the areas of system and component level facility modeling and simulation, operational capabilities and anomalies, feasibility studies, performance requirements for facility enhancements, and modification trade studies. Independently perform complex professional engineering or scientific assignments in support of a test asset or technology demanding unique contributions, which call for the application of advanced specialized engineering or scientific principles, the results of which occasionally involve advancements to the state of the art.

Software Engineer	California	Professional	Apply programming, design, configuration management, and testing skills to develop complex systems and applications to perform the above functions, while assisting in system/application deployment, installation, maintenance, and support. Primary responsibility for designing, developing, upgrading and maintaining: high speed/high volume data acquisition systems for ground testing of Turbine Engines, Aircraft Models, Missile Systems, and Space Systems, near Real-Time web browser based data display systems using modern programming techniques and languages, and highly complex Data Processing, Data Mining, and Data Storage Systems.
Software Engineer	Tennessee	Professional	Apply programming, design, configuration management, and testing skills to develop complex systems and applications to perform the above functions, while assisting in system/application deployment, installation, maintenance, and support. Primary responsibility for designing, developing, upgrading and maintaining: high speed/high volume data acquisition systems for ground testing of Turbine Engines, Aircraft Models, Missile Systems, and Space Systems, near Real-Time web browser based data display systems using modern programming techniques and languages, and highly complex Data Processing, Data Mining, and Data Storage Systems.
Tech Instrumentation/Diagnostic Engineer	Tennessee	Professional	Primary responsible for research and development of advanced aerospace measurement and diagnostic systems, analysis, and design analysis techniques. Conduct analyses and develop analysis approaches to support ground test facility operations, thermal and structural analysis and design techniques). Propose and execute approaches to collect data during ground testing of air and space systems to collect and understand engineering data for probe designs, to assess various operability, performance and durability measures of systems in in ground test facilities. Operate systems providing test bed conditions for development and validation of these probe designs, measurement, analysis and design techniques.
Technical SME for Subcontracts	Tennessee	Professional	Responsible for the technical formation and management of subcontracts within Construction. This includes managing the cost and schedule performance of assigned subcontractors and their compliance to the contract terms. Responsible for coordination of all activities associated with the interface between Company and Company functions, the subcontractor, our customer, and stakeholders as it pertains to assigned subcontract scopes. The STR is expected to manage and coordinate the daily activities of supporting personnel such as Field Engineers, Quality Control, Project Controls, Subcontract Administration, Document Controls, and other supporting functions to the subcontract execution.
Test & Evaluation Engineer	California	Professional	Perform the role of Test Director to lead teams in planning and conducting experimental test programs at the National Full-Scale Aerodynamics Complex (NFAC). Oversee all aspects of a test, from detailed planning through test execution and reporting. Ensure test plan aligns with the Air Force's expectations for technical excellence and experimental rigor. Acts as the primary point of contact with customers to determine test requirements, the division of responsibilities, schedule milestones, and data reduction and instrumentation needs. Manage test planning activities and develop and maintain realistic project schedules and budgets. Develop test plans, review customer documentation, determine test and analysis objectives and deliverables, and conduct pretest reviews.
Test & Evaluation Engineer	Maryland	Professional	Responsible for all aspects (planning, test execution, analysis and reporting) of hypersonic wind tunnel tests performed in Tunnel 9. Lead contact for assigned projects, act as liaison between test facility, customer and sponsor to ensure project objectives are achieved. Responsible for: planning, conducting, and reporting wind tunnel tests performed; coordination and integration of test instrumentation, model design, data collection, data reduction, facility operation; development, improvement, and implementation of new test measurement techniques to increase the capabilities of the wind tunnel; and analysis of test results including assessment of flow-field features, boundary-layer state, aero-heating environment, vehicle stability.
Test Operations Engineer	Tennessee	Professional	Work closely with test managers and test customers on test project plans, scheduling, installation, and directing our contract's test team throughout the test cycle. Test operations engineers also operate as system engineers for equipment within or directly providing support to the test facility. Direct plant and test system checkouts. Direct the execution of test periods with respect to operating the facility and test article systems.
Training Manager	Tennessee	Professional	Responsible for all Learning & Development (L&D) initiatives. Design, development and delivery of computer-based training courses and overall records maintenance of the Workforce Qualification Program including administration of revising and publishing syllabi. Oversight of the monthly Workforce Qualification CDRL. Management and tracking of training records and the operations. Oversight of the annual Training budget with periodic status updates to the management team.
Document Configuration Management	California	SCLS	Manage the configuration management group and will work closely with the engineering staff to direct the configuration management of facility systems and test articles at the NFAC. Administer and ensure the integrity of the configuration management database. Develop configuration management processes and procedures compliant with AEDC standards and industry best practices. Perform/facilitate internal/external audits to verify conformance standards.
Engineering Technician	California	SCLS	Provide semi-professional technical support for engineers working in such areas as research, design, development, testing, or manufacturing process improvement. Work pertains to electrical, electronic, instrumentation, or mechanical components or equipment. Performs simple to non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project; selects and adapts plans, techniques, designs, or layouts.

Engineering Technician	Maryland	SCLS	Provide semi-professional technical support for engineers working in such areas as research, design, development, testing, or manufacturing process improvement. Performs simple to non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project, selects and adapts plans, techniques, designs, or layouts. Responsible for inspecting, installing, troubleshooting, maintaining and repairing of the electrical, mechanical, and instrumentation systems. Perform a wide variety of technical, mechanical, electrical and manual work on facility subsystems.
Engineering Technician	Tennessee	SCLS	Provide semi-professional technical support for engineers working in such areas as research, design, development, testing, or manufacturing process improvement. Work pertains to electrical, electronic, instrumentation, or mechanical components or equipment. Performs simple to non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project; selects and adapts plans, techniques, designs, or layouts.
Financial Analyst	California	Professional	Perform varied professional accounting or financial work requiring the standardized application of well established principles, theories, concepts, and practices. Make day to day decisions concerning the treatment of financial transactions. Recommend solutions to complex problems and to propose system changes for approval at higher levels. Develop sound, practical solutions to a wide range of accounting and financial problems.
Financial Analyst	Tennessee	Professional	Perform varied professional accounting or financial work requiring the standardized application of well established principles, theories, concepts, and practices. Make day to day decisions concerning the treatment of financial transactions. Recommend solutions to complex problems and to propose system changes for approval at higher levels. Develop sound, practical solutions to a wide range of accounting and financial problems.
Office & Administrative Services (Administrative Support)	California	SCLS	Provide administrative and secretarial support of a responsible and confidential nature and performs document control and records management activities. Receives and screens phone calls directing them to the appropriate parties. Act as primary point of contact for administrative flow between the local facility and the central business offices in Tennessee including but not limited to Payroll, Procurement, Receiving, and Security. Composes and distributes complex correspondence using standard word processing systems or other software applications. Performs as an administrator tracking/assisting employees in completing training requirements and maintaining other training documentation. Schedules meetings, appointments, and coordinates travel arrangements as needed, including preparation of expense reports
Office & Administrative Services (Administrative Support)	Maryland	SCLS	Provide administrative and secretarial support of a responsible and confidential nature and performs document control and records management activities. Receives and screens phone calls directing them to the appropriate parties. Act as primary point of contact for administrative flow between the local facility and the central business offices in Tennessee including but not limited to Payroll, Procurement, Receiving, and Security. Composes and distributes complex correspondence using standard word processing systems or other software applications. Performs as an administrator tracking/assisting employees in completing training requirements and maintaining other training documentation. Schedules meetings, appointments, and coordinates travel arrangements as needed, including preparation of expense reports
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Public Affairs (Graphics)	Tennessee	SCLS	Develops creative graphic designs for a variety of communication platforms, including newspaper, brochures, banners, flyers, signs, maps, exhibits, video, infographics, social media and web development. Prepares printing and lamination for communications products. Provides the customer with options for design along with timelines and schedules for graphics products. Provides layout and design of an in-house newspaper when required.
Public Affairs (Photographer / Videographer)	Tennessee	SCLS	Takes pictures requiring knowledge of photographic techniques, equipment, and processes. use standard equipment (including simple still, graphic, and motion picture cameras, video and television hand cameras, and similar commonly used equipment) and/or use special-purpose equipment (including specialized still and graphic cameras, motion picture production, television studio, and high speed cameras and equipment). Develop, process, and edit film or tape.
Public Affairs Professional	Tennessee	Professional	Provide layout and design for a weekly newsletter, responsible for content development, writing and editing for the newsletter. Write press releases for National Aerospace Solutions and distribute to media (recognition articles; employee features; management profiles and general news articles for the company). Write fact sheets, articles for the newsletter, and base newspaper.

Quality Assurance Manager	Tennessee	Professional	Lead the Quality Branch in the development, implementation and maintenance of a compliant, efficient and effective Quality Management System (QMS) which includes supporting tools, procedures and processes. Maintain the integrity of the QMS through configuration control of enterprise documentation and maintenance of records. Monitor the implementation and effectiveness of the quality program through audits, assessments, surveillance and inspections to enable the timely identification and mitigation of risks.
Quality Assurance Professional	Tennessee	Professional	Implementation and maintenance of a compliant, efficient and effective Quality Management System (QMS) which includes supporting tools, procedures and processes. Maintain the integrity of the QMS through configuration control of enterprise documentation and maintenance of forms and records. Assist with administration of a comprehensive closed loop corrective action program, including trending and predictive analytics, preventive action, extent evaluation, causal analysis, corrective action, and improvement validation. Conduct/verify test article and facility inspections, particularly for critical test processes such as foreign object debris (FOD), configuration and test readiness requirements.
Security	Tennessee	Professional	Responsible for ensuring compliance with security training, policies and procedures, and Company contractual obligations in coordination with government agencies, the local Air Force and AEDC Security leadership. Write and maintain policies and procedures (including Standard Practice & Procedures for Safeguarding Classified) which will provide guidance to the workforce on classified information protection, reporting, clearance billeting, personnel security, and CUI protection. Interpret governmental guidance on classified and controlled unclassified information (CUI) protection forthcoming from Defense Counterintelligence and Security Agency (DCSA). Write/prepare effective annual training, training shorts, and video shorts, as well as workforce communications, and info graphs for workplace display