

## Attachment 2 - ATSS LABOR CATEGORIES, DESCRIPTIONS & QUALIFICATIONS

All Contractor personnel shall be able to perform work requirements as stated in the Performance Work Statement (PWS) to include, but not limited to:

- Physical requirements such as working at heights utilizing fall protection, working in confined spaces, lifting, and working in extreme conditions;
- Cybersecurity requirements such as the Cyber Awareness Challenge for all personnel;
- Cybersecurity requirements for personnel performing Information Technology or Cyber work to include compliance with in DODD 8570.01, DOD 8570.01-M ([https://iase.disa.mil/iawip/Pages/summary\\_wf\\_requirements.aspx](https://iase.disa.mil/iawip/Pages/summary_wf_requirements.aspx)), and AR 25-2;
- Ammunition Certification requirements;
- Security requirements such as the Lautenberg agreement,
- Certificate of Boating Safety Education for all personnel operating a mechanically propelled vessel on Maryland waters, and
- Safety requirements for equipment licensing for applicable work, to include all relevant support equipment.

These requirements are listed in the PWS and not necessarily duplicated in the labor category descriptions and qualifications. All licenses, training, and certification shall be acquired at the Contractor's expense, reimbursed in the Local Overhead Rate and NOT on an hourly basis. Meeting, training and licensing schedules to meet personnel qualifications shall not interfere with accomplishment of the ATC mission.

## INDIVIDUAL LABOR CATEGORIES

### Ammunition Accountability Technician

<b>Ammunition Accountability Technician (2424 CBA)</b>
<b>Job Description</b>
<p>Responsible for accountability, security, inventory, record-keeping, receipt, turn-in, warehousing, care and protection of all ammunition and explosives to include all hazardous waste munitions and associated range residue generated by U.S. Army Aberdeen Test Center (ATC). After coordinating with the Government team leader, utilize the computer equipment provided to process issues and turn-ins of Class V ammunition and explosives via the Test Center database. Maintain ammunition accountability utilizing the Test Center database and magazine data cards. Generate ammunition issue, transfer, and/or turn in documents as appropriate, coordinate with the Government team leader, expedite issues/turn-ins by hand carrying appropriate documentation to the U.S. Army Garrison, Directorate of Logistics personnel. Ensures chain of custody is established for all ammunition and explosives that is issued from the Plant. Package ammunition for shipment to various off-post locations in accordance with Department of Transportation (DOT) directives. Provide the U.S. Garrison, Directorate of Logistics any required shipping documentation in accordance with DOT Directives. Ensure ammunition is properly packaged, blocked and braced, and that required ammunition transfer documents are prepared for all on-post movement of ammunition/explosives. Perform physical inventories (with assigned inventory crew) of ammunition assets to include handling of unpackaged ammunition and explosives as needed. Verify that physical inventories match the Test Center database and magazine data card. Ensure that all discrepancies are reported to the plant supervisor/team chief. Assist in any causative research to reconcile reported discrepancies. Ensure upon receipt of ammunition and explosives that the material is of the correct type and quantity. Prepare items for temporary storage, including the care, preservation, packing, crating, and stenciling of the containers and the proper warehousing of the assets. Ensure that items being placed into storage are compatible in accordance with Department of Defense (DoD) Directives with item(s) already in storage. Verify that the Net Explosive Weight is not exceeded for the storage facility. Ensure maximum utilization of sensitive, classified, radioactive, hazardous, reactive, and flammable material, expeditiously process turn-in documents to allow maximum utilization of available storage space.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 5 yr. applicable experience.</li><li>2. Must possess Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>3. Must possess a Class C Commercial Driver License (CDL) with endorsement for Hazardous Material (HAZMAT) and unrestricted for air brakes within 6 months of employment.</li><li>4. Must possess a license to operate forklift(s) and other required support equipment.</li><li>5. Must possess a Hazardous Waste Operations and Emergency Response (HAZWOPER) Certificate within 6 months of employment.</li><li>6. Must possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&amp;E) within 6 months of employment.</li></ol>

## Ammunition Assembly Operator

<b>Ammunition Assembly Operator (2424 CBA)</b>
<b>Job Description</b>
<p>Load, Assembly Pack: Performs a broad range of duties in connection with the provision of ammunition assembly, disassembly, and modification. Custom load domestic or foreign ammunition items for both direct and in-direct fire ammunition testing to include standard, nonstandard, experimental, and prototype rockets, mortars, mines, projectiles, artillery, and tank ammunition to include depleted uranium (DU) rounds. Operates inert loading facility and calculates material blending requirements to inert load ammunition test items to simulate live load density. Handles toxic chemicals such as: acetone, Trichloride, Freon, denatured alcohol, paraffin wax, linseed oil, and barites. Collects test data by preparing written inspection reports on damage to munitions before and after rough handling, packaging, or transportation tests or munitions that have been fired and recovered for analysis tests. Critically inspects ammunition and components before and after environmental tests or sequential rough handling tests (e.g., drop, bounce and vibration) for extreme damage or deformation prior to assembly into test rounds. Inspects all operating and storage areas to ensure quality control is met and maintained during assembly, disassembly, modification and all phases of testing. Inspects and certifies material potentially presenting an explosive hazard (MPPEH) before release to the Defense Reutilization and Marketing Office (DRMO) or to the general public. Operates computer equipment as an ongoing requirement to maintain an automated ammunition inventory and a continuous audit trail of ammunition assets. Provides full range of ammunition/explosives accountability functions including: physical inventories, data input/output, compatibility storage, research, ammunition warehousing, and similar functions. Processes issue and turn in of ammunition and explosive materials. Prepares Job Hazard Analyses (JHAs) and conducts/participates in Hazard Analysis Working Groups (HAWGs) for ammunition processes and modifications.</p> <p>Equipment Operation and Maintenance: Operates, adjusts, sets up and maintains locally fabricated and APE specialized for the trade such as: hydraulic presses, crimping machines, de-bulleting machines, resizing presses, sewing machines, primer insertion/removal machines and cartridge shaker machines. Operates automated digital weighing equipment, remote video monitoring and recording equipment. Uses various measuring devices, gauges and explosion proof multi-meters. In addition, uses a variety of hand tools, paints, stencils, adhesives, cleaning materials. Operates forklifts up to and including 6000-lb capacity and motor vehicles up to and including 5-ton capacity. Incumbent may work in different areas to include ammunition, weapons, environmental conditioning or ballistics.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 5 yr. applicable experience, two of which are loading, assembling and packing ammunition or comparable military experience.</li><li>2. Must possess a Class C Commercial Driver License (CDL) with endorsement for Hazardous Material (HAZMAT) and unrestricted for air brakes within 6 months of employment.</li><li>3. Must possess an Ammunition Certification Level II in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>4. Must possess a license to operate forklift(s) and other required support equipment.</li><li>5. Must possess a HAZWOPER Certificate within 6 months of employment.</li><li>6. Must possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&amp;E) within 6 months of employment.</li></ol>

## Ammunition Assembly Operator Leader

### Ammunition Assembly Operator Leader (2424 CBA)

#### Job Description

Serves as a working leader responsible for performing a wide variety of tasks associated with ammunition assembly, disassembly, and modification. Provides on the job training, technical advice and assistance to subordinates. Assigns tasks to subordinates and provides guidance to include specific job techniques and safety considerations.

**Load, Assembly Pack:** Performs a broad range of duties in connection with the provision of ammunition assembly, disassembly, and modification. Custom load domestic or foreign ammunition items for both direct and in-direct fire ammunition testing to include standard, nonstandard, experimental, and prototype rockets, mortars, mines, projectiles, artillery, and tank ammunition to include DU rounds. Operates inert loading facility and calculates material blending requirements to inert load ammunition test items to simulate live load density. Handles toxic chemicals such as: acetone, Trichloride, Freon, denatured alcohol, paraffin wax, linseed oil, and barites. Collects test data by preparing written inspection reports on damage to munitions before and after rough handling, packaging, or transportation tests or munitions that have been fired and recovered for analysis tests. Critically inspects ammunition and components before and after environmental tests or sequential rough handling tests (e.g., drop, bounce and vibration) for extreme damage or deformation prior to assembly into test rounds. Inspects all operating and storage areas to ensure quality control is met and maintained during assembly, disassembly, modification and all phases of testing. Inspects and certifies MPPEH materials before release to the DRMO or to the general public. Operates computer equipment as an ongoing requirement to maintain an automated ammunition inventory and a continuous audit trail of ammunition assets. Provides full range of ammunition/explosives accountability functions including: physical inventories, data input/output, compatibility storage, research, ammunition warehousing, and similar functions. Processes issue and turn in of ammunition and explosive materials. Prepares JHAs and conducts/participates in HAWGs for ammunition processes and modifications.

**Equipment Operation and Maintenance:** Operates, adjusts, sets-up and maintains locally fabricated and APE specialized for the trade such as: hydraulic presses, crimping machines, de-bulleting machines, resizing presses, sewing machines, primer insertion/removal machines and cartridge shaker machines. Operates automated digital weighing equipment, remote video monitoring and recording equipment. Uses various measuring devices, gauges and explosion proof multi-meters. In addition, uses a variety of hand tools, paints, stencils, adhesives, cleaning materials. Operates forklifts up to and including 6000-lb capacity and motor vehicles up to and including 5-ton capacity. Incumbent may work in different areas to include ammunition, weapons, environmental conditioning or ballistics.

#### Qualifications:

1. Must have 5 yr. applicable experience, two of which are loading, assembling and packing ammunition or comparable military experience.
2. Must possess a Class C Commercial Driver License (CDL) with endorsement for Hazardous Material (HAZMAT) and unrestricted for air brakes.
3. Must possess an Ammunition Certification Level II in accordance with ATC Regulation 350-8
4. Must possess a Forklift License.
5. Must possess a HAZWOPER Certificate.
6. Must possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
7. Must have 1 yr. experience leading or supervising.

## Artillery Repairer

<b>Artillery Repairer (2424 CBA)</b>
<b>Job Description</b>
Responsibilities include the inspection, cleaning, disassembly, repair, and replacement of parts and assemblies, and the adjustment and reassembly of towed, self-propelled, and turret artillery and their associated mounts and carriages. This includes Stryker, Abrams, and other large caliber direct fire weapon systems. Takes measurements and ensures safe operation of the artillery and equipment. Operates overhead cranes.
<u>Qualifications:</u>
<ol style="list-style-type: none"><li>1. Must have 3 yr. experience as an automotive mechanic or 2 years military background in artillery, which includes using common hand tools and measuring instruments such as calipers, micrometers, torque wrenches, and spring weighting machines.</li><li>2. Must possess an Overhead Bridge Crane operator license.</li><li>3. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>4. Must possess a Forklift License</li></ol>

## Artillery Repairer Helper

<b>Artillery Repairer Helper</b>
<b>Job Description</b>
Receives training and performs work to develop skills and knowledge to perform artillery repair work. Assists in the disassembly, repair, replacement of parts and assemblies, adjusting and reassembly of one or several types of towed, self-propelled and turret artillery, and their mounts and carriages.
<u>Qualifications:</u>
<ol style="list-style-type: none"><li>1. Must have 1 yr. experience as an automotive mechanic or military background in artillery, which includes using common hand tools and measuring instruments such as calipers, micrometers, torque wrenches, and spring weighting machines.</li><li>2. Must possess an Overhead Bridge Crane operator license.</li><li>3. Must possess a Forklift License.</li></ol>

## Artillery Repairer Leader

<b>Artillery Repairer Leader (2424 CBA)</b>
<b>Job Description</b>
Serves as a working crew leader responsible for leading and providing technical advice and assistance to lower graded personnel in the disassembly, repair, replacement of parts and assemblies, adjusting and reassembly of one or several types of towed, self-propelled, and turret artillery, and their mounts and carriages. Instructs employees on specific tasks and job techniques. Conducts on-the-job training to ensure work is complete and accurate.
<u>Qualifications:</u>
<ol style="list-style-type: none"><li>1. Must have 7 yr. experience as an automotive mechanic or 5 yr. military background in artillery, which includes using common hand tools and measuring instruments such as calipers, micrometers, torque wrenches, and spring weighting machines.</li><li>2. Must possess an Overhead Bridge Crane operator license.</li></ol>

3. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Must possess a Forklift License.
5. Must have 3 yr. experience leading/supervising.

### Assistant Program Manager

#### Assistant Program Manager (Exempt) – Key Personnel

##### Job Description

##### Qualifications:

1. Must have 10 years applicable experience; or must have a Bachelor's Degree and 7 years applicable experience; or a Master's Degree and 5 years applicable experience.
2. The Assistant PM shall have 3 years of experience managing 75 or more people in an engineering or scientific field.

### Combat Vehicle Tester (CVT) I

#### Combat Vehicle Tester (CVT) I (2424 CBA)

##### Job Description

Under the direction of more qualified personnel, performs a variety of tasks associated with testing track or wheeled combat vehicles to include operating and maintaining vehicles, weapons, systems, and communication equipment while supporting firing programs and test missions, on and off test courses and firing ranges. Tasks may be manual and/or mechanical in nature and support testing combat vehicle systems, weapons, ammunition, armor, and related equipment. Under the direction of more qualified personnel, performs operator level preventive maintenance checks and services (PMCS) as well as any other operator level maintenance in accordance with appropriate/approved test plans, manuals, policies, and regulations. Under the direction of more qualified personnel and in accordance with operator level manuals troubleshoots, diagnoses, and documents power plants, auxiliary power units, engines, transmissions, suspension components, electrical/electronic systems and components, communications equipment, basic fire control systems, turret traversing mechanisms, hydraulic or pneumatic systems, fire extinguisher/suppression systems, gas particulate systems and any like or related items in accordance with test objectives. Under the direction of more qualified personnel, performs or assists with unit level maintenance in accordance with appropriate/approved test plans, manuals, policies, and regulations. Under the direction of more qualified personnel, installs and operates sensitive data collection instrumentation, vehicle system training simulators/devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Effectively operates combat vehicle computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Provides on-the-job training, technical advice and assistance to various government agencies and peers as required. Under the direction of more qualified personnel, develops, analyzes and provides technical input as required for documentation and training. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat vehicles and

equipment. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements

Qualifications:

1. Must have 3 yr. applicable experience or have completed formal training relevant to operating, maintaining, and/or testing combat vehicles and associated relevant weapon components or systems. At least 1yr. of the 3 yr. of experience must be in a test and evaluation range, laboratory, or military environment.
2. Must possess a valid Class B CDL within 1 year of employment
3. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

**Combat Vehicle Tester (CVT) II**

**Combat Vehicle Tester (CVT) II (2424 CBA)**

**Job Description**

Works independently and assists less experienced personnel to perform a variety of tasks associated with testing track or wheeled combat vehicles to include operating and maintaining vehicles, weapons, systems, and communication equipment while supporting firing programs and test missions, on and off test courses and firing ranges. Tasks may be manual and/or mechanical in nature and support testing combat vehicle systems, weapons, ammunition, armor, and related equipment. Works independently and assists less experienced personnel to perform operator level PMCS as well as any other operator level maintenance in accordance with appropriate/approved test plans, manuals, policies, and regulations. Works independently and assists less experienced personnel in accordance with operator level manuals to troubleshoot, diagnose, and appropriately document issues relating to power plants, auxiliary power units, engines, transmissions, suspension components, electrical/electronic systems and components, communications equipment, basic fire control systems, turret traversing mechanisms, hydraulic or pneumatic systems, fire extinguisher/suppression systems, gas particulate systems and any like or related items in accordance with test objectives. Under the direction of more qualified personnel, performs or assists with unit level maintenance in accordance with appropriate/approved test plans, manuals, policies, and regulations. Under the direction of more qualified personnel, installs and operates sensitive data collection instrumentation, vehicle system training simulators/devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Works independently and assists less qualified personnel to effectively operate combat vehicle computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Provides on-the-job training, technical advice and assistance to various government agencies, peers, and subordinates as required. Works independently and assists less qualified personnel to develop, analyze and provide technical input as required for documentation and training. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat vehicles and equipment. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements.

Qualifications:

1. Must have 5 yr. applicable experience or have completed formal training relevant to operating, maintaining, and/or testing combat vehicles and associated relevant weapon

- components or systems. At least 1yr. of the 5 yr. of experience must be as a CVT I or a comparable test and evaluation range, laboratory, or military environment.
- 2. Must possess a valid Class B CDL.
- 3. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

**Combat Vehicle Tester (CVT) III**

**Combat Vehicle Tester (CVT) III (2424 CBA)**

**Job Description**

Serves as working leader to include coordination of efforts necessary to perform a variety of tasks associated with testing track or wheeled combat vehicles to include operating and maintaining vehicles, weapons, systems, and communication equipment while supporting firing programs and test missions, on and off test courses and firing ranges. Assigns work and provides technical direction, helps in accomplishing difficult work procedures, observes work in progress to anticipate and resolved problems, and inspects completed work for quality and consistency. Tasks may be manual and/or mechanical in nature and support testing combat vehicle systems, weapons, ammunition, armor, and related equipment. Coordinates efforts necessary to ensure operator level PMCS as well as any other operator level maintenance performed is done in accordance with appropriate/approved test plans, manuals, policies, and regulations. Works independently and assists/coordinates the efforts of less experienced personnel in accordance with operator level manuals to troubleshoot, diagnose, and appropriately document issues relating to power plants, auxiliary power units, engines, transmissions, suspension components, electrical/electronic systems and components, communications equipment, basic fire control systems, turret traversing mechanisms, hydraulic or pneumatic systems, fire extinguisher/suppression systems, gas particulate systems and any like or related items in accordance with test objectives. Coordinates efforts necessary to ensure unit level maintenance is accomplished in accordance with appropriate/approved test plans, manuals, policies, and regulations. Works independently and/or coordinates efforts to install and/or operate sensitive data collection instrumentation, vehicle system training simulators/devices, and/or maintain equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Works independently and assists less qualified personnel to effectively operate combat vehicle computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Provides on-the-job training, technical advice and assistance to various government agencies, peers, and subordinates as required. Works independently and assists less qualified personnel to develop, analyze and provide technical input as required for documentation and training. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat vehicles and equipment. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements.

Qualifications:

- 1. Must have 7 yr. applicable experience or have completed formal training relevant to operating, maintaining, and/or testing combat vehicles and associated relevant weapon components or systems. At least 2 yr. of the 7 yr. of experience must be as a CVT II or a comparable test and evaluation range, laboratory, or military environment.
- 2. Must have demonstrated leadership ability.
- 3. Twenty percent of this labor category shall possess a valid Class B CDL.



4. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

## Combat Vehicle Tester (CVT) IV

### Combat Vehicle Tester (CVT) IV (2424 CBA)

#### Job Description

Assignments typically involve planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project. Complexity of assignments typically requires considerable creativity and judgment to devise approaches to accomplish work, resolve operational problems, and make decisions in situations where standard methods, procedures, and techniques may not be applicable. Works with engineers/testing personnel to set up tests that properly adhere to correct test operating procedures and military standards. Serves as working leader to include planning, coordinating, and conducting efforts necessary to perform a variety of tasks associated with testing track or wheeled combat vehicles to include operating and maintaining vehicles, weapons, systems, and communication equipment while supporting firing programs and test missions, on and off test courses and firing ranges. Assigns work and provides technical direction, helps in accomplishing difficult work procedures, observes work in progress to anticipate and resolved problems, and inspects completed work for quality and consistency. Contacts personnel in related activities to resolve problems and coordinate work. Tasks may be manual and/or mechanical in nature and support testing combat vehicle systems, weapons, ammunition, armor, and related equipment. Coordinates efforts necessary to ensure operator level PMCS as well as any other operator level maintenance performed is done in accordance with appropriate/approved test plans, manuals, policies, and regulations. Works independently and assists/coordinates the efforts of less experienced personnel in accordance with operator level manuals to troubleshoot, diagnose, and appropriately document issues relating to power plants, auxiliary power units, engines, transmissions, suspension components, electrical/electronic systems and components, communications equipment, basic fire control systems, turret traversing mechanisms, hydraulic or pneumatic systems, fire extinguisher/suppression systems, gas particulate systems and any like or related items in accordance with test objectives. Coordinates efforts necessary to ensure unit level maintenance is accomplished in accordance with appropriate/approved test plans, manuals, policies, and regulations to achieve test objectives. Works independently and/or coordinates efforts to install and/or operate sensitive data collection instrumentation, vehicle system training simulators/devices, and/or maintain equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Works independently and assists less qualified personnel to effectively operate combat vehicle computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Plans, coordinates, and provides on-the-job training, technical advice and assistance to various government agencies, peers, and subordinates as required. Plans and coordinates development, analysis, and provision of technical input as required for documentation and training. Reviews, analyzes, and integrates the technical work of others. Prepares data in designated formats. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat vehicles and equipment. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements.

Qualifications:

1. Must have 10 yr. applicable experience or have completed formal training relevant to operating, maintaining, and/or testing combat vehicles and associated relevant weapon components or systems. At least 3 yr. of the 10 yr. of experience must be as a CVT II or a comparable test and evaluation range, laboratory, or military environment.
2. Must have demonstrated leadership ability.
3. Twenty percent of this labor category shall possess a valid Class B CDL.
4. Must possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

**Contractor as Representative Soldier (CARS) I**

**Contractor as Representative Soldier (CARS) I (2424 CBA)**

**Job Description**

CARS I will assist senior personnel in performing technical and administrative work for test & evaluation of Soldier Systems Division (SSD) projects to include: range & test area maintenance, test instrumentation setup & operation, test execution, test teardown and area cleanup. Technical work will include the setup and operation of hit detection, audio/video data collection, communication and Global Positioning System (GPS) tracking systems. Performs simple or routine tasks from detailed procedures or under close supervision. Operates or adjusts simple test equipment, records test data & performs simple data reduction. Moves support vehicles and/or test items. Operates general equipment such as power generators, forklifts, weed-eaters, blowers and zero turn mowers. Maintains and organizes work areas and vehicle bays. Transports and operates weapons systems & ammunition. Will also act as a representative service person, capable of performing non-MOS specific military tasks. In role of representative service person, participates in operationally realistic scenarios, including force-on-force engagements, utilizing standard military testing/training doctrine and defined procedures. The CARS I will be required to support soldier equipment/vehicle testing to include: human factors, user assessments, & ingress/egress. The CARS I will be required to maintain and improve skills with standard non-MOS specific equipment (including individual and crew-served weapons) as well as foreign small arms systems. During testing scenarios the CARS I will be required to wear type classified and prototype military clothing/equipment and perform physical/mental tasks to develop man-in-the-loop evaluation products. CARS I may also serve as a test participant in simulated tactical and/or other military environment assisting with hardware, firmware and software evaluation of military equipment. Tasks may be manual or positional and may include lifting, moving, running, etc., while testing military individual clothing and equipment, body armor, computer programs and scenarios. The CARS I will also participate in active testing and may be instrumented to evaluate physiological or cognitive factors. CARS I may be asked to act as a subject matter expert (SME), ensuring that service personnel, supporting local or remote test/training efforts, are performing required tasks and to assist in the effective gathering of test data. As a SME the CARS I will be asked to conduct After Action Reviews (AARs) to collect user test data.

Qualifications:

The first and second qualifications below are desired, not mandatory, characteristics of a CARS. Both of these qualifications should be used as a guide only. The candidate must meet the general intent of these 2 qualifications in order to approximate the characteristics of an active duty soldier or marine. Once selected for the position, qualifications 4 and 5 below must be maintained to retain the position.

Desired:

1. Be currently enlisted in U.S. National Guard (USNG), U.S. Army Reserve (USAR), or U.S. Marine Corps Reserve (USMCR) or less than 3 years separation from U.S. Army or U.S. Marine Corp. Minimum service time must be 1 year.
2. Have combat or combat support military occupational specialty (MOS) or closely related MOS experience.

Required:

1. Must possess or be capable of obtaining an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
2. Must meet and maintain current age appropriate US Army fitness standards yearly and maintain yearly training requirements.
3. Must maintain yearly US Army qualifications for small arms.

**Contractor as Representative Soldier (CARS) II**

**Contractor as Representative Soldier (CARS) II (2424 CBA)**

**Job Description**

Serves as working leader for the CARS group where assigned duties include: scheduling CARS support within SSD, ensuring tasks are completed efficiently, looking for additional work in the event of downtime, mentor other CARS of the same or lesser grade on acceptable technique and process improvements, managing workload and managing/updating the CARS training database. Independently assists senior personnel in performing technical and administrative work for test & evaluation of SSD projects to include: range & test area maintenance, test instrumentation setup & operation, test execution, test teardown and area cleanup. Technical work will include the setup and operation of hit detection, audio/video data collection, communication and GPS tracking systems. Independently performs non-routine technical assignments of substantial variety and complexity. Operates or adjusts simple test equipment, records test data & performs simple data reduction. Moves support vehicles and/or test items. Operates general equipment such as power generators, forklifts, weed-eaters, blowers and zero turn mowers. Maintains and organizes work areas and vehicle bays. Transports and operates weapons systems & ammunition. Will also act as a representative service person, capable of performing non-MOS specific military tasks. In role of representative service person, participates in operationally realistic scenarios, including force-on-force engagements, utilizing standard military testing/training doctrine and defined procedures. The CARS II will be required to support Soldier equipment/vehicle testing to include: human factors, user assessments, & ingress/egress. The CARS II will be required to maintain and improve skills with standard non-MOS specific equipment (including individual and crew-served weapons) as well as foreign small arms systems. During testing scenarios the CARS II will be required to wear type classified and prototype military clothing/equipment and perform physical/mental tasks to develop man-in-the-loop evaluation products. CARS II may also serve as a test participant in simulated tactical and/or other military environment assisting with hardware, firmware and software evaluation of military equipment. Tasks may be manual or positional and may include lifting, moving, running, etc., while testing military individual clothing and equipment, body armor, computer programs and scenarios. The CARS II will also participate in active testing and may be instrumented to evaluate physiological or cognitive factors. CARS II may be asked to act as a SME, ensuring that service personnel, supporting local or remote test/training efforts, are performing required tasks and to assist in the effective gathering of test data. As a SME the candidate will be asked to conduct AARs to collect user test data.

Qualifications:

The first and second qualifications below are desired, not mandatory, characteristics of a CARS. Both of these qualifications should be used as a guide only. The candidate must meet the general intent of these 2 qualifications in order to approximate the characteristics of an active duty soldier or marine. Once selected for the position, qualifications 4 and 5 below must be maintained to retain the position.

Desired:

3. Be currently enlisted in U.S. National Guard (USNG), U.S. Army Reserve (USAR), or U.S. Marine Corps Reserve (USMCR) or less than 3 years separation from U.S. Army or U.S. Marine Corp. Minimum service time must be 1 year.
4. Have combat or combat support military occupational specialty (MOS) or closely related MOS experience.

Required:

4. Must possess or be capable of obtaining an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
5. Must meet and maintain current age appropriate US Army fitness standards yearly and maintain yearly training requirements.
6. Must maintain yearly US Army qualifications for small arms.

**Crane Operator**

**Crane Operator (2424 CBA)**

**Job Description**

Operates mobile cranes to lift, transport, and position materials in shop areas, warehouses, outside storage facilities, and test areas. Work areas contain some ground level obstacles such as equipment, stacked supplies, and partitioned bins, which may limit maneuverability. The cranes are fitted with attachments such as hook, magnet, or special material handling devices, and is typically used to: move and stack bulk supplies such as crates, lumber, or sheet metal on loading docks; segregate and move scrap metal for salvage operations; load and unload other loose material into bins, hoppers/loading docks, or railroad cars. This may also include moving scrap metal, or debris onto trucks, bins, or railroad cars. Mobile crane work predominantly includes moving and placing experimental test articles into position to support testing, removing articles from test sites, and moving articles to and from test sites. Test site setup includes but is not limited to positioning walls, shields, bomb proofs, or other devices required for test programs. Crane operator shall meet qualifications and standards of a Heavy Equipment Operator with at least five years of experience on earthwork and construction equipment. Also, operates boom crane at various outdoor locations where maneuverability is not a major problem. Worksites may contain some obstacles such as trees, walls, and equipment. The crane normally is operated with standard boom lengths and angles, and with loads that are well within the lifting capacity of the crane.

Qualifications:

1. Must have 3 yr. experience operating mobile cranes with lift limits in excess of 2000 lbs..
2. Must possess a National Commission of Certified Crane Operators (CCO) Certification to operate large telescopic boom cranes in excess of 0-300 tons at the contractor's expense.
3. Must possess a valid Class A CDL endorsed for Hazardous Materials (HAZMAT) and Tanker.

## Driver/Demonstration Facilitator

<b>Driver/Demonstration Facilitator</b>
<b>Job Description</b>
<p>Provides driving support for the Command Group. Conducts/escorts tours and personnel observing demonstrations at various test ranges and facilities. Provides briefings and presentations on test sites and facilities. Coordinates and provides logistical support for high-level visits, demonstrations and tours. Schedules drivers, vehicles and arranges for briefers and equipment to be present at briefing sites and range areas. Prepares tour itineraries, ensures security measures/requirements are met and ensures sufficient time is allotted for briefers at visited test sites. Schedules conference rooms and set up meeting areas. Assists in gathering information/data and assembling briefing/read-ahead books for marketing materials for visitors and higher headquarters. Researches reference materials and the internet for the purpose of information gathering of visitors, background and corporate objectives, and missions. Serves as air flight coordinator, serving as a liaison between the airfield, range control and other military or civilian airfields. Serves as staff photographer in support of Command-sponsored events. Works closely with the Command's public affairs office providing support when appropriate.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. applicable experience; or 30 credit hours in a business, secretarial or commercial school, or in a college, junior college or university.</li><li>2. Must possess a valid Class B CDL with a passenger certification.</li></ol>

## Electronics Technician, Maintenance I

<b>Electronics Technician, Maintenance I (2424 CBA)</b>
<b>Job Description</b>
<p>Applies comprehensive technical knowledge to solve complex problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence and in selecting tools and testing instruments. Receives technical guidance, as required, from supervisor or higher-level technician, and work is reviewed for compliance with accepted practices. Installs and troubleshoots military and commercial radios in Combat Vehicles, Tactical Vehicles and base stations.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 2 yr. applicable experience or completion of formal training.</li></ol>

## Electronics Technician, Maintenance II

<b>Electronics Technician, Maintenance II (2424 CBA)</b>
<b>Job Description</b>
<p>Works independently by applying comprehensive technical knowledge to solve complex problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence and in selecting tools and testing instruments. Responsible for determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering</p>

changes. Exercises judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow. Uses complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Installs and troubleshoots military and commercial radios in Combat Vehicles, Tactical Vehicles and base stations.

Qualifications:

1. Must have 5 yr. applicable experience or completion of formal training and 3 yr. applicable experience.

**Electronics Technician, Maintenance III**

**Electronics Technician, Maintenance III (2424 CBA)**

**Job Description**

Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Applies advanced technical knowledge to solve unusually complex problems that typically cannot be solved solely by referencing manufacturer's manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence and in selecting tools and testing instruments. Responsible for determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering changes. Exercises judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow. Uses complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Installs and troubleshoots military and commercial radios in Combat Vehicles, Tactical Vehicles and base stations.

**Qualifications:**

1. Must have 8 yr. applicable experience or completion of formal training and 6 yr. applicable experience.
2. Must have 3 yr. experience leading/supervising.

**Engineer I**

**Engineer I (Exempt)**

**Job Description**

Performs a variety of routine engineering tasks designed to provide experience and familiarization with engineering methods, practices, and programs. Works under the guidance and direction of an experienced engineer; assignments screened for unusual or difficult problems and techniques; or procedures to be applied to the solution of problems will be selected by an experienced engineer or the supervisor. Provides professional engineering support within allocated task resources. Performs limited portions of engineering tasks under the detailed direction of an experienced engineer. Applies commonly used equations and techniques to solve assigned problems. More specific requirements for Electronic, Mechanical, Network and Software positions follow.

**Computer/Electrical I.** Assists higher level engineer in designing, and modifying, and constructing electronic and electro- mechanical instrumentation used in the support of the Aberdeen Common Control Node (ACCN) for test and evaluation projects which support Future

Force (FF)/Future Combat Systems (FCS) tests. Design criteria is not standardized or well established and/or the objective may be improvement and updating of equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the design, modification, development, construction, installation, alignment, operations, troubleshooting, and repairs of a variety of electronic and electro-mechanical instrumentation used in test and evaluation supporting the ACCN and FF/FCS test endeavors. Assists in the conduct of tests and evaluations of instrumentation for use in solving existing problems that requires the development of test procedures and the employment of test techniques in support of FF/FCS efforts. Assists in designing, modifying, and constructing software to support test and evaluation projects in the support of the ACCN specifically and FF/FCS testing in general.

**Electronic I.** Assists higher level engineer in designing, modifying, and constructing electronic and electro-mechanical instrumentation used in performance measurements for test and evaluation projects. Design criteria is not always standardized or well established and/or the objective may be improvement and updating of circuit elements/equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the design, modification, development, construction, installation, alignment, operations, troubleshooting, and repairs of a variety of electronic and electro-mechanical instrumentation used in test and evaluation to control test conditions and/or record dynamic measurement data. Assists in the conduct of tests and evaluations of performances of electronic instrumentation by laboratory and field tests to insure the adequacy of the instrumentation for use in solving existing problems that requires the development of test procedures and the employment of test techniques.

**Mechanical I.** Assists higher level engineer by performing specified portions of overall evaluations pertaining to the areas of ballistics, wheeled and tracked vehicles, metal parts performance analysis, microscopy and/or metallurgical analysis of Army material. Guidance is provided on the analysis of difficult or unusual problems. Studies engineering texts, manufacturer's publications and other technical material to obtain information on materials, components, subsystems, and other pertinent data to be used by higher level engineers in the materials evaluation and mechanical analysis of systems and/or in the performance tests of vehicles or weapon systems. Uses specific instructions, notes or engineering texts provided by a higher level engineer, and utilizes basic fundamentals of engineering sciences especially as it pertains to the microscopy, spectroscopy, fracture, metal fatigue, ballistics, vehicle performance, and related engineering and mathematical science for use in specific projects of higher level engineers. Assists in the analysis of the effects of mechanical design on system performance and the effects of metallurgical parameters on system survivability. Performs necessary calculations, prepares charts and graphs to present information in test reports, and prepares sections of test reports.

**Network I.** Assists higher level engineer in design, modification, and installation of portions of the ATC network infrastructure. This will include participation in the research, procurement, and installation of various media such as multi/single mode fiber plenum and riser cables, Category 5/6 unshielded twisted pair (UTP) Ethernet cable, etc. Assists higher level engineer by documenting network projects through the use of Microsoft Visio software. Design criteria is not always standardized or well established and/or the objective may be improvement and updating of components/equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the tests and evaluations of performance of network components by laboratory and field tests to insure the adequacy of the components for use in solving existing problems. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Software I.** Assists in designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, information assurance (IA) personnel, and mathematicians in developing details of the project.

Qualifications:

1. Must possess a Bachelor's Degree in engineering specialization or related discipline

**Engineer II**

**Engineer II (Exempt)**

**Job Description**

Performs routine work requiring application of standard techniques, procedures, and criteria in carrying out a sequence of related engineering tasks. Provides professional engineering support with increasing independent accomplishment. Assignments are screened for unusual or difficult problems; receives close supervision on new aspects of assignments. Duties and responsibilities include: performs specific and limited engineering tasks of a broader assignment, under the direction of an experienced engineer; prepares computations, specifications, and reports of limited scope and complexity; applies standard practices and techniques in specific situations; and, may be assisted by a few support personnel. More specific requirements for Electronic, Mechanical, Network and Software positions follow.

**Computer/Electrical II.** Assists higher level engineer in designing, modifying, and constructing electronic and electro-mechanical instrumentation used in performance measurements for test and evaluation projects, specifically the ACCN and FF/FCS test initiatives in general. Assists in designing, modifying, and constructing software to support FF/FCS test and evaluation projects at the ACCN. Design criteria is not always standardized or well established and/or the objective may be the improvement and updating of ACCN equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the design, modification, development, construction, installation, alignment, operations, troubleshooting, and repairs of a variety of instrumentation used in FF/FCS ACCN test and evaluation efforts. Drafts test plans requiring determination of test procedures and test techniques necessary for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel and mathematicians in developing details of the project. Observes test, as required to assure proper test setup and methods are being utilized or to obtain first-hand knowledge essential to understanding electronic material under test. Recommends changes or deviations in test procedures and techniques as interim results dictate. Recommends requirements for special test equipment, if necessary. Obtains, analyzes, and evaluates test data such as instrumentation readings, graphs, measurements and mathematical reductions, mathematical and statistical analysis, observations of employees directed, etc., consulting with personnel specialized data services to discuss and



recommend resolution of problems; clarify and evaluate results, insure validity, etc. Considers and assures that data is valid and that it is complete with respect to fulfilling the requirements of test directives, reruns tests as needed to insure validity and/or plans and recommend the conduct of additional tests to obtain completeness of data. Coordinates individual test results drawing inferences and conclusions from the data, from observations made during tests, and from examinations of material as to adequacies, weaknesses, and failures in material; causes of deficiencies, and probable type of remedial action required. Drafts complete report of data, conclusions and recommendations; frequently recommending whether equipment is satisfactory and warrants continuation or abandonment of development. Recommendations frequently involve comparative consideration of the performance of other electronic instrumentation. Recommends instrumentation requirements and installs instrumentation systems as required to obtain valid, relevant, accurate, and complete data necessary for performance determinations of various vehicles, weapons systems, or other items under test. Uses ACCN digital computer systems and various analog items/systems for measuring, recording, processing and outputting FF/FCS data.

**Electronic II.** Assists higher level engineer in designing, modifying, and constructing electronic and electro-mechanical instrumentation used in performance measurements for test and evaluation projects. Design criteria is not always standardized or well established and/or the objective may be the improvement and updating of circuit elements/equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the design, modification, development, construction, installation, alignment, operations, troubleshooting, and repairs of a variety of electronic and electro-mechanical instrumentation used in test and evaluation to control test conditions and/or record dynamic measurement data. Assists in the conduct of tests and evaluations of performances of electronic instrumentation by laboratory and field tests to insure the adequacy of the instrumentation for use in solving existing problems which requires the development of test procedures and the employment of test techniques. Drafts test plans requiring determination of test procedures and test techniques necessary for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel and mathematicians in developing details of the project. Observes test, as required to assure proper test setup and methods are being utilized or to obtain first-hand knowledge essential to understanding electronic material under test. Recommends changes or deviations in test procedures and techniques as interim results dictate. Recommends requirements for special test equipment, if necessary. Obtains, analyzes, and evaluates test data such as instrumentation readings, graphs, measurements and mathematical reductions, mathematical and statistical analysis, observations of employees directed, etc., consulting with personnel to discuss and recommend resolution of problems; clarify and evaluate results, insure validity, etc. Considers and assures that data is valid and that it is complete with respect to fulfilling the requirements of test directives, reruns tests as needed to insure validity and/or plans and recommends the conduct of additional tests to obtain completeness of data. Coordinates individual test results drawing inferences and conclusions from the data, from observations made during tests, and from examinations of material as to adequacies, weaknesses, and failures in material; causes of deficiencies, and probable type of remedial action required. Drafts complete report of data, conclusions and recommendations; frequently recommending whether equipment is satisfactory and warrants continuation or abandonment of development. Recommendations frequently involve comparative consideration of the performance of other electronic instrumentation. Recommends instrumentation requirements and installs instrumentation systems as required to obtain valid, relevant, accurate, and complete data necessary for performance determinations of various vehicles, weapons systems, or other items under test. Sets up, aligns, and operates data acquisition, transmission, analysis, and control system. Uses digital computer systems and various analog items/systems for measuring, recording, processing and outputting data.

**Mechanical II.** Assists higher level engineer by performing specified portions of overall evaluations pertaining to the areas of ballistics, wheeled and tracked vehicles, metal parts performance analysis, microscopy and/or metallurgical analysis of Army material. Guidance is provided on the analysis of difficult or unusual problems. Studies engineering texts, manufacturer's publications and other technical material to obtain information on materials, components, subsystems, and other pertinent data to be used by higher level engineers in the materials evaluation and mechanical analysis of systems and/or in the performance tests of vehicles or weapons systems. Uses specific instructions, notes or engineering texts, and utilizes basic fundamentals of engineering sciences especially as it pertains to the microscopy, spectroscopy, fracture, metal fatigue, ballistics, vehicle performance, and related engineering and mathematical science for use in specific projects of higher level engineers. Assists in the analysis of the effects of mechanical design on system performance and the effects of metallurgical parameters on system survivability. Performs necessary calculations, prepares charts and graphs to present information in test reports, and prepares sections of test reports.

**Network II.** Assists higher level engineer in design, modification, and installation of portions of the ATC network infrastructure. This will include participation in the research, procurement and installation of various media such as multi/single mode fiber plenum and riser cables, Category 5/6 UTP Ethernet cable, etc. Assists higher level engineer by documenting network projects through the use of Microsoft Visio software. Assists higher level engineers in configuration and troubleshooting of switches, bridges, hubs, repeaters, etc., to meet ATC networking performance requirements throughout the ATC campus. Design criteria is not always standardized or well established and/or the objective may be the improvement and updating of circuit elements/equipment in order to incorporate new advances where existing technical data is not always adequate. Assists in the tests and evaluations of performance of network components by laboratory and field tests to insure the adequacy of the components for use in solving existing problems. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Software II.** Assists in designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, IA personnel, and mathematicians in developing details of the project.

**Qualifications:**

1. Must possess a Bachelor's Degree in engineering specialization or related discipline and 1 yr. applicable experience.

## Engineer III

Engineer III (Exempt)
Job Description
<p>Independently evaluates, selects and applies standard engineering techniques, procedures, and criteria, and makes minor adaptations and modifications. Provides independent and professional support on portions of complex projects. Specific assignment objectives, approaches, and possible solutions are reviewed for accuracy and completeness. Duties and responsibilities include: independently performs a project assignment that involves complex features and can be guided by codes, standards, and other precedents of the discipline; analyzes and/or evaluates the results of an analysis using techniques prescribed by senior engineers or supervisors; and accomplishes tasks of which require investigation of a many variables. More specific requirements for Electronic, Mechanical, Network and Software positions follow.</p> <p><b>Computer/Electrical III.</b> Responsible for designing, modifying, and constructing electronic and electro-mechanical instrumentation used in performance measurements on test and evaluation projects, specifically the ACCN and FF/FCS test initiatives in general. Design criteria is not always standardized or well established and/or improving and updating circuit elements/equipment in order to incorporate new advances where existing technical data is not always adequate may be the objective. Such work requires professional engineering knowledge of physical and engineering sciences and mathematics, electronic phenomena and the principles, techniques and practices of electronics engineering. Designs, modifies, develops, constructs, installs, aligns, operates, troubleshoots, and repairs a variety of electronic and electro-mechanical instrumentation used in FF/FCS ACCN test and evaluation to control test conditions and/or record dynamic measurement data. Investigates suitability of specific materials and parts for their intended use. Determines whether modifications can be made to existing equipment or whether new devices must be designed and constructed. Determines detailed circuit design to meet specific operating requirements, constructs breadboard model and plans sequence of tests to determine operating efficiency of the circuit design. Evaluates results and makes necessary circuit changes. Plans mechanical layout for final instrumentation and personally constructs it. Conducts tests and evaluations of performances of electronic instrumentation by laboratory and field tests to insure the adequacy of the instrumentation for use in solving existing problems that requires the development of test procedures and the employment of test techniques. Prepares test plans requiring determination of test procedures and test techniques necessary for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel and mathematicians in developing details of the project. Observes test, as required to assure proper test setup and methods are being utilized or to obtain first-hand knowledge essential to understanding electronic material under test. Makes changes or deviations in test procedures and techniques as interim results dictate. Determines requirement for special test equipment, if necessary. Obtains, analyzes, and evaluates test data such as instrumentation readings, graphs, measurements and mathematical reductions, mathematical and statistical analysis, observations of employees directed, etc., consulting with personnel specialized data services to discuss and resolve problems, clarify and evaluate results, insure validity, etc. Considers and assures that data is valid and that it is complete with respect to fulfilling the requirements of test directives, reruns tests as needed to insure validity and/or plans and conducts additional tests to obtain completeness of data. Coordinates individual test results drawing inferences and conclusions from the data, from observations made during tests, and from examinations of material as to adequacies, weaknesses, and failures in materiel; causes of deficiencies, and probable type of remedial action required. Prepares complete report of data, conclusions and recommendations; frequently recommending whether equipment is satisfactory and warrants</p>

continuation or abandonment of development. Recommendations frequently involve comparative consideration of the performance of other electronic instrumentation. Determines instrumentation requirements and installs instrumentation systems as required to obtain valid, relevant, accurate, and complete data necessary for performance determinations of various vehicles, weapons systems, or other items under test. Sets up, aligns, and operates data acquisition, transmission, analysis, and control system. Uses ACCN digital computer systems and various analog items/systems for measuring, recording, processing and outputting FF/FCS data. Responsible for designing, modifying, and constructing software to support FF/FCS test and evaluation projects at the ACCN. Such work requires professional engineering knowledge of software systems. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner.

**Electronic III.** Responsible for independently designing, modifying, and constructing electronic and electro-mechanical instrumentation used in performance measurements on test and evaluation projects. Design criteria is not always standardized or well established and/or improving and updating circuit elements/equipment in order to incorporate new advances where existing technical data is not always adequate may be the objective. Such work requires professional engineering knowledge of physical and engineering sciences and mathematics, electronic phenomena and the principles, techniques and practices of electronics engineering. Designs, modifies, develops, constructs, installs, aligns, operates, troubleshoots, and repairs a variety of electronic and electro- mechanical instrumentation used in test and evaluation to control test conditions and/or record dynamic measurement data. Investigates suitability of specific materials and parts for their intended use. Determines whether modifications can be made to existing equipment or whether new devices must be designed and constructed. Determines detailed circuit design to meet specific operating requirements, constructs breadboard model and plans sequence of tests to determine operating efficiency of the circuit design. Evaluates results and makes necessary circuit changes. Plans mechanical layout for final instrumentation and personally constructs it. Conducts tests and evaluations of performances of electronic instrumentation by laboratory and field tests to insure the adequacy of the instrumentation for use in solving existing problems that requires the development of test procedures and the employment of test techniques. Prepares test plans requiring determination of test procedures and test techniques necessary for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel and mathematicians in developing details of the project. Observes test, as required to assure proper test setup and methods are being utilized or to obtain first-hand knowledge essential to understanding electronic material under test. Makes changes or deviations in test procedures and techniques as interim results dictate. Determines requirement for special test equipment, if necessary. Obtains, analyzes, and evaluates test data such as instrumentation readings, graphs, measurements and mathematical reductions, mathematical and statistical analysis, observations of employees directed, etc., consulting with personnel to discuss and resolve problems, clarify and evaluate results, insure validity, etc. Considers and assures that data is valid and that it is complete with respect to fulfilling the requirements of test directives, reruns tests as needed to insure validity and/or plans and conducts additional tests to obtain completeness of data. Coordinates individual test results drawing inferences and conclusions from the data, from observations made during tests, and from examinations of material as to adequacies, weaknesses, and failures in materiel; causes of deficiencies, and probable type of remedial action required. Prepares complete report of data, conclusions and recommendations; frequently recommending whether equipment is satisfactory and warrants continuation or abandonment of development. Recommendations frequently

involve comparative consideration of the performance of other electronic instrumentation. Determines instrumentation requirements and installs instrumentation systems as required to obtain valid, relevant, accurate, and complete data necessary for performance determinations of various vehicles, weapons systems, or other items under test. Sets up, aligns, and operates data acquisition, transmission, analysis, and control system. Uses digital computer systems and various analog items/systems for measuring, recording, processing and outputting data.

**Mechanical III.** Responsible for independently providing engineering support in the area of ballistics, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of engineering problems. Such projects and problems are characterized by the need to establish and assess the adequacy of design treatment, to develop solutions for a variety of non-recurring problems in instrumentation and measurement, and to anticipate future needs and trends or explore the possibility of new approaches to overcome current engineering limitations or find solutions to continuing problems. Such work requires knowledge of and competence in mechanical engineering principles and techniques as well as general knowledge of related mathematics and other engineering disciplines such as electrical/electronic and a technical knowledge of computer systems programming and analysis necessary to develop effective programs. Responsible for the following duties: develops tests and methods, searching all pertinent literature and references; studies the behavior, properties, mechanics, design and analysis of materials, vehicles, and weapons, evaluates possible approaches and methods to use; devises, modifies, performs or directs tests; evaluates and interprets data and prepares written report which summarizes the test methods, uses and limitations, and provides recommendations and conclusions. Examples of work assignments in this area and within scope and complexity is the development and performance of ballistic measurements evaluation techniques for vulnerability tests of armored vehicles, development of techniques involving detection, measurement, and analysis of damage to combat vehicles/equipment from applications of a variety of attack criteria related to the activity's Vulnerability/ Survivability Testing Program, development of methods to determine the adequacy, correct type and method for installing gages used to quantify dynamic weapon performance, devising an instrumentation plan for ballistic measurement to assess the performance of artillery weapons, determining instrumentation requirements for and conducting automotive performance tests of wheeled and tracked vehicles. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures.

**Network III.** Responsible for independently designing, modifying, and installing portions of the ATC network infrastructure. Assures non-functioning network components are repaired/replaced in a timely manner through maintenance contracts. Reviews documentation of network projects through the use of Microsoft Visio software. Performs configuration, installation, and troubleshooting of switches, bridges, hubs, repeaters, wireless components, etc., to meet ATC networking performance requirements throughout the ATC campus. Conducts scans of both the wired and wireless networks to assure no new devices are installed without knowledge of the Network Infrastructure Unit. Design criteria is not always standardized or well established and/or improving and updating network components in order to incorporate new advances where existing technical data is not always adequate may be the objective. Investigates suitability of specific materials and parts for their intended use. Determines whether modifications can be

made to existing equipment or whether new devices must be designed, constructed, or procured. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Software III.** Responsible for independently designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, IA personnel, and mathematicians in developing details of the project.

Qualifications:

1. Must possess a Bachelor's Degree in engineering specialization or related discipline and 3 yr. applicable experience; or a Master's Degree in engineering specialization or related discipline and 1 yr. applicable experience.

## Engineer IV

### Engineer IV (Exempt)

#### Job Description

Serves as working leader to plan and conduct independent evaluations, selections, and substantial adaptation and modifications of standard techniques, procedures, and criteria. Operates with general instructions; selected portions of work will be reviewed in detail to measure adequacy of approach, execution, and presentation. Duties and responsibilities include: devises new approaches to problems encountered and to accomplish assigned tasks with efficiency, dispatch, and thoroughness; independently prepares (or directs others in the preparation of), computation/analyses, specifications, and technical reports in the specific area of technical expertise; selects and applies engineering techniques and procedures to analyze and evaluate specific problems, data, or other features of the work which are broad in scope and complexity; and reviews and evaluates the quantity, quality, and overall adequacy of results and conclusions drawn from accomplishment of engineering tasks. Performs planning and execution of test and evaluation programs involving integrated weapons systems and munitions, automotive systems, precision instrumentation systems and unmanned vehicles. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established test procedures and/or development of new test capability or instrumentation systems. Performs fundamental research, feasibility, engineering design or development of tests. Performs independently on projects having the characteristics described above. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding items being developed and tested. Informs Government personnel about matters covered during meetings and information provided and received. Schedules tests and coordinates support requirements with test scheduling office and supporting organizational elements. Oversees the conduct of assigned tests, and personally observes test conduct as required. Exercises technical direction over engineering, technical test support and other supporting personnel in actual conduct of test in the field or under simulated conditions. Monitors

performance of the test item and adequacy of data collection, and assumes responsibility and authority for range, test course and laboratory safety. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed. Reviews the data collected for completeness, accuracy and validity. Analyzes test data in terms of serviceability, cost conditions where the item will be developed, etc., and prepares final test report outlining problem areas revealed during the test and making recommendations and conclusions as to the suitability of the materiel being tested. Due to the uniqueness and complexity of materiel being tested, the incumbent is required to prepare intricate, detailed and interpretative analysis of test results. Responsible for designing, modifying, and constructing software to support FF/FCS test and evaluation projects at the ACCN. Work requires professional engineering knowledge of software systems. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. More specific requirements for Network and Software positions follow.

**Engineer IV (Network).** Responsible for independently designing, procuring, installing, and maintaining components of the ATC network infrastructure. This will include establishment and activation of required maintenance contracts covering both hardware and software components. Reviews documentation of network projects through the use of Microsoft Visio software and performs project planning through the use of Microsoft Project or other suitable software. Performs configuration, installation, and troubleshooting of firewalls, routers, switches, bridges, hubs, repeaters, wireless components, Virtual Private Network (VPN) and remote access service (RAS) devices, etc., to meet ATC networking performance requirements throughout the ATC campus and implements required network security practices. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established procedures and capabilities and/or development of new capability. Duties include fundamental research, feasibility, engineering design or development of computer network concepts and components. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding new network components. Informs Government personnel about matters covered during meetings and information provided and received. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Engineer IV (Software).** Responsible for independently designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, IA personnel, and mathematicians in developing details of the project.

**Qualifications:**

1. Must possess a Bachelor's Degree in engineering specialization or related discipline and 5 yr. applicable experience; or a Master's Degree in engineering specialization or related discipline

- and 3 yr. applicable experience; or a Doctorate Degree in engineering specialization or related discipline and 1 yr. applicable experience.
2. Must have 3 yr. experience leading/supervising.

**Engineer V**

<b>Engineer V (Exempt)</b>
<b>Job Description</b>
<p>Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Independently evaluates, selects, adapts, and modifies standard techniques and criteria in order to plan and conduct engineering assignment. Performs project work through extensive knowledge of engineering practices and policies, and to devise new approaches to resolve problems. Operates with general instructions in an independent mode and receives guidance on special problems or when requested. Duties and responsibilities include: independently plans, schedules, conducts or coordinates detailed phases of engineering work through the selection and adaptation or modification of techniques, procedures, and criteria; analyzes complex features of the work and applies principles and practices of the discipline, or devises new approaches in problem solutions; thoroughly reviews all results from assigned tasks and determine if outputs are complete, correct, integrated with project objectives, and adequately documented; and, independently prepares (or directs others in the preparation of), computation/analyses, specifications, and technical reports in the specific area of technical expertise. Performs planning and execution of test and evaluation programs involving integrated weapons systems and munitions, automotive systems, precision instrumentation systems and unmanned vehicles. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established test procedures and/or development of new test capability or instrumentation systems. Performs fundamental research, feasibility, engineering design or development of tests. Performs independently on projects having the characteristics described above. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding items being developed and tested. Informs Government personnel about matters covered during meetings and information provided and received. Schedules tests and coordinates support requirements with test scheduling office and supporting organizational elements. Oversees the conduct of assigned tests, and personally observes test conduct as required. Exercises technical direction over engineering, technical test support and other supporting personnel in actual conduct of test in the field or under simulated conditions. Monitors performance of the test item and adequacy of data collection, and assumes responsibility and authority for range, test course and laboratory safety. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed. Reviews the data collected for completeness, accuracy and validity. Analyzes test data in terms of serviceability, cost conditions where the item will be developed, etc., and prepares final test report outlining problem areas revealed during the test and making recommendations and conclusions as to the suitability of the materiel being tested. Due to the uniqueness and complexity of materiel being tested, the incumbent is required to prepare intricate, detailed and interpretative analysis of test results. More specific requirements for Network and Software positions follow.</p> <p><b><u>Engineer V (Network).</u></b> Responsible for independently procuring, installing, and maintaining components of the ATC network infrastructure. This will include establishment and activation of required maintenance contracts covering both hardware and software components. Reviews documentation of network projects through the use of Microsoft Visio software and performs project planning through the use of Microsoft Project or other suitable software. Performs</p>



configuration and troubleshooting of firewalls, routers, switches, bridges, hubs, repeaters, wireless components, VPN and RAS devices, etc., to meet ATC networking performance requirements throughout the ATC campus and implements required network security practices to assure compliance with required DoD/Department of the Army (DA) directives. Maintains the border and campus router access control lists and firewall access control policy by implementing local policies, those provided by Regional Computer Emergency Response Team (RCERT), and assuring functioning of critical applications such as Versatile Information Systems Integrated On-Line (VISION), VISION Digital Library System (VDLS), METRO, etc. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established procedures and capabilities and/or development of new capability. Duties include fundamental research, feasibility, engineering design or development of computer network concepts and components. Performs independently on projects having the characteristics described above. Attends vendor meetings to keep up to date on state of the art network technology and possible applications within the organization. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding new network components. Informs Government personnel about matters covered during meetings and information provided and received. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Engineer V (Software).** Responsible for independently designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, IA personnel, and mathematicians in developing details of the project.

**Qualifications:**

1. Must possess a Bachelor's Degree in engineering specialization or related scientific discipline and 7 yr. applicable experience; or a Master's Degree in engineering specialization or related scientific discipline and 5 yr. applicable experience; or a Doctorate Degree in engineering specialization or related scientific discipline and 3 yr. applicable experience.
2. Must have 5 yr. experience leading/supervising.

**Engineer VI**

<b>Engineer VI (Exempt)</b>
<b>Job Description</b>
Serves as supervisor to lower graded personnel and is considered an expert for providing technical guidance and information to meet requirements. Provides technical interface on ATC programs and leadership and training to lower graded personnel in the selection and proper usage of technical approaches and professional practices and procedures. Provides innovative and feasible technical approaches to problem resolution and task performance. Guidance will be given on overall objectives; consults with supervisor on unusual problems and developments. Duties and responsibilities include: independently makes decisions on problems and methods

and resolves important technical questions through the use of advanced techniques and the extension or modification of standard practices; conducts analysis and evaluation or design of unique and complex tasks through the development of new or improved methods and procedures; accomplishes assignments by defining requirements, developing criteria, searching for information, developing concepts, coordinating intra or interdisciplinary interfaces and controlling allocated resources; and, independently prepares (or directs others in the preparation of), computation/analyses, specifications, and technical reports in the specific area of technical expertise. Performs planning and execution of test and evaluation programs involving integrated weapons systems and munitions, automotive systems, precision instrumentation systems and unmanned vehicles. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established test procedures and/or development of new test capability or instrumentation systems. Performs fundamental research, feasibility, engineering design or development of tests. Performs independently on projects having the characteristics described above. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding items being developed and tested. Informs Government personnel about matters covered during meetings and information provided and received. Schedules tests and coordinates support requirements with test scheduling office and supporting organizational elements. Oversees the conduct of assigned tests, and personally observes test conduct as required. Exercises technical direction over engineering, technical test support and other supporting personnel in actual conduct of test in the field or under simulated conditions. Monitors performance of the test item and adequacy of data collection, and assumes responsibility and authority for range, test course and laboratory safety. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed. Reviews the data collected for completeness, accuracy and validity. Analyzes test data in terms of serviceability, cost conditions where the item will be developed, etc., and prepares final test report outlining problem areas revealed during the test and making recommendations and conclusions as to the suitability of the materiel being tested. Due to the uniqueness and complexity of materiel being tested, the incumbent is required to prepare intricate, detailed and interpretative analysis of test results. More specific requirements for Network and Software positions follow.

**Engineer VI (Network).** Responsible for independently procuring and maintaining components of the ATC network infrastructure. This will include establishment and activation of required maintenance contracts. Reviews documentation of network projects through the use of Microsoft Visio software and performs project planning through the use of Microsoft Project. Performs configuration and troubleshooting of firewalls, routers, switches, bridges, hubs, repeaters, wireless components, etc., to meet ATC networking performance requirements throughout the ATC campus and implements required network security practices to assure compliance with required DoD/DA directives. Maintains the border and campus router access control lists and firewall access control policies by implementing local policies, those provided by RCERT, and assuring functioning of critical applications such as VDLS, VISION, METRO, etc. Interfaces with counterparts within other organizations (e.g., U.S. Army Test and Evaluation Command (ATEC), U.S. Army Research Laboratory (ARL), Directorate of Information Management (DOIM), etc.) to assure network changes do not adversely impact critical applications. Scans router and firewall log files to determine Transmission Control Protocol (TCP)/Internet Protocol (IP) ports required to support ATC applications and determine any possible traffic irregularities. Procures and maintains software used to map the network and monitor overall performance of the network as well as critical network components to assure required throughput and response is maintained. Supports IA personnel in providing required network related DoD Information Technology Security Certification and Accreditation Process (DITSCAP) documentation and information required to execute network communications (NETCOM) issued Task Orders or respond to

higher headquarter data calls. Researches, recommends, and prepares procurement documentation to maintain required and projected network reliability, throughput, and response parameters. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state- of-the-art technology and requiring substantial deviation from established procedures and capabilities and/or development of new capability. Duties include fundamental research, feasibility, engineering design or development of computer network concepts and components. Performs independently on projects having the characteristics described above. Attends vendor meetings to keep up to date on state of the art network technology, explore possible applications within the organization, or solve specific technical requirements. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding new network components. Informs Government personnel about matters covered during meetings and information provided and received. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed.

**Engineer VI (Software).** Responsible for independently designing, modifying, and constructing software to support test and evaluation projects. Design criteria are not always standardized or well established and/or the objective may be improvement and updating of existing software to incorporate new advances where existing technical data is not always adequate. Determines detailed software design to meet specific operating requirements, constructs prototypes and plans sequence of tests to determine operating efficiency of the software design. Evaluates results and makes necessary software changes. Prepares project plans and cost estimates for software development efforts for the accomplishment of the project in the most efficient and economical manner. Consults with instrumentation specialists, design personnel, maintenance and support personnel, computer system administrators, IA personnel, and mathematicians in developing details of the project.

Qualifications:

1. Must possess a Bachelor's Degree in engineering specialization or related scientific discipline and 9 yr. applicable experience; or a Master's Degree in engineering specialization or related scientific discipline and 7 yr. applicable experience; or a Doctorate Degree in engineering specialization or related scientific discipline and 5 yr. applicable experience.
2. Must have 7 yr. experience leading/supervising.

**Engineer VII**

<b>Engineer VII (Exempt)</b>
<b>Job Description</b>
Serves as supervisor to lower graded personnel and is considered an expert for providing technical guidance and information to meet requirements. Acts as Subject Matter Expert (SME) for specialized or technical projects. Provides technical interface on ATC programs and leadership and training to lower graded personnel in the selection and proper usage of technical approaches and professional practices and procedures. Provides innovative and feasible technical approaches to problem resolution and task performance. Guidance will be given on overall objectives; consults with customers/leadership on unusual problems and developments. Duties and responsibilities include: independently makes decisions on problems and methods and resolves important technical questions through the use of advanced techniques and the extension or modification of standard practices; conducts analysis and evaluation or design of unique and complex tasks through the development of new or improved methods and procedures; accomplishes assignments by defining requirements, developing criteria, searching

for information, developing concepts, coordinating intra or interdisciplinary interfaces and controlling allocated resources; and, independently prepares (or directs others in the preparation of), computation/analyses, specifications, and technical reports in the specific area of technical expertise. Performs planning and execution of test and evaluation programs involving integrated weapons systems and munitions, automotive systems, precision instrumentation systems and unmanned vehicles. Plans, designs, coordinates, executes, monitors, evaluates and reports test and evaluation of materiel, incorporating state-of-the-art technology and requiring substantial deviation from established test procedures and/or development of new test capability or instrumentation systems. Performs fundamental research, feasibility, engineering design or development of tests. Performs independently on projects having the characteristics described above. Attends meetings and conferences that relate to assigned area of responsibility and assists in the isolation and resolution of controversial and novel issues regarding items being developed and tested. Informs Government personnel about matters covered during meetings and information provided and received. Schedules tests and coordinates support requirements with test scheduling office and supporting organizational elements. Oversees the conduct of assigned tests, and personally observes test conduct as required. Exercises technical direction over engineering, technical test support and other supporting personnel in actual conduct of test in the field or under simulated conditions. Monitors performance of the test item and adequacy of data collection, and assumes responsibility and authority for range, test course and laboratory safety. Coordinates with others to assure all safety, security, environmental and community concerns are adequately addressed. Reviews the data collected for completeness, accuracy and validity. Analyzes test data in terms of serviceability, cost conditions where the item will be developed, etc., and prepares final test report outlining problem areas revealed during the test and making recommendations and conclusions as to the suitability of the materiel being tested. Due to the uniqueness and complexity of materiel being tested, the incumbent is required to prepare intricate, detailed and interpretative analysis of test results.

Qualifications:

1. Must possess a Bachelor's Degree in engineering specialization or related scientific discipline and 11 years applicable experience; or a Master's Degree in engineering specialization or related scientific discipline and 9 years applicable experience; or a Doctorate Degree in engineering specialization or related scientific discipline and 7 yrs. applicable experience.
2. Must have 7 yr. experience leading/supervising.

**Engineering Technician I (AET)**

<b>Engineering Technician I (Automotive Environmental Team (AET)) (186 CBA)</b>
<b>Job Description</b>
Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting. Performs simple or routine tasks or tests such as tensile or hardness tests. Operates and adjusts simple test equipment and records test data. Gathers and maintains specified records of engineering data such as tests, drawings, etc. Performs computations by substituting numbers in specified formulas. Plots data and draws simple curves and graphs.
<u>Qualifications:</u>
1. Must have 1 yr. of applicable experience or completion of formal training.

## Engineering Technician II (AET)

<b>Engineering Technician II (Automotive Environmental Team (AET)) (186 CBA)</b>
<b>Job Description</b>
<p>Assists in performing routine technical work.. The work requires the ability to learn and apply established methods, procedures and techniques. Performs standardized or prescribed assignments involving a sequence of related operations. Follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments; technical adequacy of routine work is reviewed on completion; nonroutine work may also be reviewed in progress. Follows specific instructions, assembles and constructs simple or standard equipment or parts; may service or repair simple instruments or equipment. Conducts a variety of tests using established methods. Prepares test specimens, adjusts and operates equipment, and records test data, pointing out deviations resulting from equipment malfunction or observational errors. Extracts engineering data from various prescribed but nonstandardized sources; processes the data following well-defined methods including elementary algebra and geometry; presents the data in prescribed form.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. 3 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yr. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.</li></ol>

## Engineering Technician III (AET)

<b>Engineering Technician III (Automotive Environmental Team (AET)) (186 CBA)</b>
<b>Job Description</b>
<p>Works independently to perform assignments that are not completely standardized or prescribed. Selects or adapts standard procedures or equipment, using fully applicable precedents. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or conformity with instructions. Constructs components, subunits, or simple models or adapts standard equipment. May troubleshoot and correct malfunctions. Follows specific layout and scientific diagrams to construct and package simple devices and subunits of equipment. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment and records test data. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, identifying errors or inconsistencies; selects methods of data presentation. Assists in design modification by compiling data related to design, specifications, and materials which are pertinent to specific items of equipment or component parts. Develops information concerning previous operational failures and modifications. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. 5 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 3 yr. of applicable experience; or 30 credit hours and 4 yr. of applicable experience; or completion of a formal training program and 3 yr. of applicable experience; or a Bachelor's Degree and 1 yr. of applicable experience.</li></ol>

## Engineering Technician IV (AET)

<b>Engineering Technician IV (Automotive Environmental Team (AET)) (186 CBA)</b>
<b>Job Description</b>
Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting. Performs simple or routine tasks or tests such as tensile or hardness tests. Operates and adjusts simple test equipment and records test data. Gathers and maintains specified records of engineering data such as tests, drawings, etc. Performs computations by substituting numbers in specified formulas. Plots data and draws simple curves and graphs.
<u>Qualifications:</u>
1. 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yr. of applicable experience; or 30 credit hours and 6 yr. of applicable experience; or completion of a formal training program and 5 yr. of applicable experience; or a Bachelor's Degree and 3 yr. of applicable experience; or a Master's Degree and 1 year of applicable experience.

## Engineering Technician V (AET)

<b>Engineering Technician V (Automotive Environmental Team (AET)) (186 CBA)</b>
<b>Job Description</b>
May perform all of the duties of the lower level technicians. Performs tasks independently from detailed procedures. Responsibilities include but are not limited to the following: performs 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; contacts personnel in related activities to resolve problems and coordinate the work; reviews, analyzes, and integrates the technical work of others.
<u>Qualifications:</u>
1. 9 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 7 yr. of applicable experience; or 30 credit hours and 7 yr. of applicable experience; or completion of a formal training program and 6 yr. of applicable experience; or a Bachelor's Degree and 4 yr. of applicable experience; or a Master's Degree and 2 year of applicable experience..

## Engineering Technician I (SET)

<b>Engineering Technician I (Simulated Environments Team (SET)) (186 CBA)</b>
<b>Job Description</b>
Performs a variety of supervised duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial equipment. Responsibilities include but are not limited to the following: operates environmental test chambers (fixed and portable temperature boxes that use multiple types of refrigerants, and environmental simulating agents (sand, salt fog, etc.)); loading and unloading of temperature chambers and boxes;

performing inspections on live munitions before, in some cases during, and after testing of munitions of many variations; transporting test items from one testing area to another; monitoring/controlling operation of portable conditioning chambers located throughout Aberdeen and Edgewood areas of APG utilizing the Local Area Network (LAN) central console; performing control setups, instrumentation monitoring and general instrument operations; filling test chambers with various consumables; setting up data acquisition systems to record/retrieve/report data; performing operations, preventive maintenance, repairs and visual inspections on all equipment associated with chambers and portable boxes; operates chamber refrigeration equipment from a PC- based workstation; accesses plant wide information, initiates set points and operational changes through communications with the microprocessor panels; monitors alarms and responds promptly with the necessary repairs; coordinates with Range Control personnel while following range safety regulations, principles, practices and requirements; and wears appropriate PPE when required.

Qualifications:

1. Must have 1 yr. of general experience in engineering technician work that developed skills in making measurements using test instruments and computing and that provided knowledge of some of the pertinent principles, methods, and techniques of engineering.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
4. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT).
5. Shall possess a license to operate forklift(s) and other required support equipment.

**Engineering Technician II (SET)**

<b>Engineering Technician II (Simulated Environments Team (SET)) (186 CBA)</b>
<b>Job Description</b>
<p>May perform a variety of duties with limited supervision concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial equipment. Responsibilities include but are not limited to the following: operates environmental test chambers (fixed and portable temperature boxes that use multiple types of refrigerants, and environmental simulating agents (sand, salt fog, etc.)); loading and unloading of temperature chambers and boxes; performing inspections on live munitions before, in some cases during, and after testing of munitions of many variations; transporting test items from one testing area to another; monitoring/controlling operation of portable conditioning chambers located throughout Aberdeen and Edgewood areas of APG utilizing the LAN central console; performing control setups, instrumentation monitoring and general instrument operations; filling test chambers with various consumables; setting up data acquisition systems to record/retrieve/report data; performing operations, preventive maintenance, repairs and visual inspections on all equipment associated with chambers and portable boxes; operates chamber refrigeration equipment from a personal computer (PC) -based workstation; accesses plant wide information, initiates set points and operational changes through communications with the microprocessor panels; monitors alarms and responds promptly with the necessary repairs; coordinates with range control personnel while following range safety regulations, principles, practices and requirements; works with Engineers/testing personnel to meet test requirements; and wears appropriate PPE when required.</p>

Qualifications:

1. Meets the qualifications of an Engineering Technician I (SET), plus 2 yr. additional general experience in Engineering Technician I work that developed skills in making measurements using test instruments and computing and that provided knowledge of some of the pertinent principles, methods, and techniques of engineering.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
4. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT).
5. Shall possess a license to operate forklift(s) and other required support equipment.

**Engineering Technician III (SET)**

**Engineering Technician III (Simulated Environments Team (SET)) (186 CBA)**

**Job Description**

May perform a variety of duties with minimal supervision concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial equipment. Responsibilities include but are not limited to the following: operates environmental test chambers (fixed and portable temperature boxes that use multiple types of refrigerants, and environmental simulating agents (sand, salt fog, etc)); loading and unloading of temperature chambers and boxes; performing inspections on live munitions before, in some cases during, and after testing of munitions of many variations; transporting test items from one testing area to another; monitoring/ controlling operation of portable conditioning chambers located throughout Aberdeen and Edgewood areas of APG utilizing the LAN central console; performing control setups, instrumentation monitoring and general instrument operations; filling test chambers with various consumables; setting up data acquisition systems to record/retrieve/report data; performing operations, preventive maintenance, repairs and visual inspections on all equipment associated with chambers and portable boxes; interprets and troubleshoots blue prints, drawings, diagrams and schematics; operates chamber refrigeration equipment from a PC-based workstation; accesses plant wide information, initiates set points and operational changes through communications with the microprocessor panels; monitors alarms and responds promptly with the necessary repairs; coordinates with range control personnel while following range safety regulations, principles, practices and requirements; works with Engineers/testing personnel to meet test requirements; and wears appropriate PPE when required.

Qualifications:

1. Meets the qualifications of an Engineering Technician II (SET), plus 2 yr. additional advanced technical experience characterized by progression in complexity, difficulty, variety and degree of independence of work assignments.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
4. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT).
5. Shall possess a license to operate forklift(s) and other required support equipment.



## Engineering Technician IV (SET)

<b>Engineering Technician IV (Simulated Environments Team (SET)) (186 CBA)</b>
<b>Job Description</b>
<p>May perform a variety of duties independently concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial equipment. Responsibilities include but are not limited to the following: operates environmental test chambers (fixed and portable temperature boxes that use multiple types of refrigerants, and environmental simulating agents (sand, salt fog, etc.)); loading and unloading of temperature chambers and boxes; performing inspections on live munitions before, in some cases during, and after testing of munitions of many variations; transporting test items from one testing area to another; monitoring/ controlling operation of portable conditioning chambers located throughout Aberdeen and Edgewood areas of APG utilizing the LAN central console; performing control setups, instrumentation monitoring and general instrument operations; filling test chambers with various consumables; setting up data acquisition systems to record/retrieve/report data; performing operations, preventive maintenance, repairs and visual inspections on all equipment associated with chambers and portable boxes; operates chamber refrigeration equipment from a PC-based workstation; accesses plant wide information, initiates set points and operational changes through communications with the microprocessor panels; monitors alarms and responds promptly with the necessary repairs; coordinates with range control personnel while following range safety regulations, principles, practices and requirements; works with Engineers/testing personnel to meet test requirements; and wears appropriate PPE when required.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Meets the qualifications of an Engineering Technician III (SET) plus 2 yr. additional advanced technical experience characterized by progression in complexity, difficulty, variety and degree of independence of work assignments.</li><li>2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>3. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&amp;E) within 6 months of employment.</li><li>4. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT).</li><li>5. Shall possess a license to operate forklift(s) and other required support equipment.</li></ol>

## Engineering Technician V (SET)

<b>Engineering Technician V (Simulated Environments Team (SET)) (186 CBA)</b>
<b>Job Description</b>
<p>May perform all of the duties of the lower level technicians. Performs tasks independently from detailed procedures. Responsibilities include but are not limited to the following: performs 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; contacts personnel in related activities to resolve problems and coordinate the work; reviews, analyzes, and integrates the technical work of others; repairs, rebuilds, and services portable and stationary climatic chambers; performs independently in a variety of duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial equipment; operates the facility ammonia</p>

plant and test chambers primarily as a master mechanic; oversees directly maintenance processes regarding the stationary and portable climatic chambers; monitors data to ensure accuracy and completeness; prepares data in the form of sub-test reports for testing community; checks and analyzes drawings or equipment to determine adequacy of drawings and design; plans or assists in planning tests to evaluate equipment performance; determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluate test results, and prepares reports on findings and recommendations; and may train and provide assistance to lower level technicians. May serve as working leader for all Engineering Technicians (SET). Independently plans and accomplishes complete projects or studies of broad scope and complexity and/or serves as an expert in a narrow aspect of a particular field of engineering (e.g., environmental factors affecting electronic engineering). Complexity of assignments typically requires considerable creativity and judgment to devise approaches to accomplish work, resolve design and operational problems, and make decisions in situations where standard engineering methods, procedures, and techniques may not be applicable. Acts as a supervisor who provides advice on unusual or controversial problems or policy matters; completed work is reviewed for compliance with overall project objectives. Supervises, trains and assists lower level technicians. Serves as the lead technician on the job site. Directly responsible for site safety, Standing Operating Procedure (SOP) compliance, and task direction. Works with Engineers/testing personnel to set up test with correct military standards to meet test requirements. May advise equipment users on redesign to solve unique operational deficiencies. Plans approach and conducts various experiments to develop equipment or systems characterized by (a) difficult performance requirements because of conflicting attributes such as versatility, size, and ease of operation; or (b) unusual combination of techniques or components. Arranges for fabrication of pilot models and determines test procedures and design of special test equipment.

Qualifications:

1. Meets the qualifications of an Engineering Technician IV (SET) plus 2yr. additional advanced technical experience characterized by progression in complexity, difficulty, variety and degree of independence of work assignments.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
4. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT).
5. Shall possess a license to operate forklift(s) and other required support equipment.

**Explosive Test Operator**

<b>Explosive Test Operator (ETO) (2424 CBA)</b>
<b>Job Description</b>
Provides technical advice and performs operations related to ammunition and high explosives. Applies concepts, policies, and guidelines contained in applicable SOPs/Risk Assessments to thoroughly inspect and/or modify foreign and/or domestic ammunition or explosives. Reviews available models, drawings, x-rays and schematic diagrams prior to the modification of domestic or foreign ammunition/explosives. Formulates plans to safely and effectively modify ammunition for static detonation. Reviews test plans to ensure that all technical test requirements are met.

Collects test data and prepares inspection reports on damage to munitions before and after rough handling, packaging, or transportation tests or munitions that have been fired and recovered for analysis tests. Prepares explosive charges for static detonation tests and employs series, parallel, and combination firing circuits to fire charges. Conducts searches of firing and recovery ranges for hazardous unexploded ordnance and other live and inert ammunition components. Collects unserviceable, deteriorated, and obsolete explosives and residue, ammunition and ammunition components from loading plants, test sites, and storage areas. Prepares demolition pits, determines compatibility of items to be placed in pits for destruction, and engages in demolition operations by burning or detonation in accordance with Federal and State environmental regulations and permits.

**Equipment Operation and Maintenance.** Operates, adjusts, sets up, and maintains locally fabricated and Ammunition Peculiar Equipment specialized for the mission, such as hydraulic presses, crimping machines, bullet pull machines, resizing presses, sewing machines, primer insertion/removal machines, spent brass sorting machines, band saws, torque machines and fuse assembly and disassembly machines. Operates heavy machinery directly or by remote control, from behind barricades or inside bomb proofs. Uses a variety of hand tools and devices, such as portable propane burners, oxyacetylene torches, and equipment for residual propellant decontamination and demilitarization of tracers in projectiles. Uses a variety of magnetometers to search for unexploded ordnance.

**Satellite Accumulation Site(s) (SAS)/Temporary Storage Site (TSS)/Temporary Storage Disposal Facility (TSDF) Management:** Assists in the management and disposal of Hazardous Waste Munitions (HWM) by ensuring compliance with requirements relative to receiving, labeling, marking, handling, storing, packaging, inventory and record-keeping of HWM. Performs mandated inspections of the SAS, TSS and the TSDF Open Burning/Open Detonation (OB/OD) as promulgated by Federal, State, DOD and local regulations. Incumbent may work in different areas to include ammunition, weapons, environmental conditioning or ballistics. Provides full range of ammunition/explosives accountability functions, including physical inventories, data input/output, compatibility storage, research, ammunition warehousing, and similar functions. Processes issue and turn-in of ammunition and explosive materials. Prepares JHAs and conducts/participates in HAWGs for ammunition processes and modifications. Provides job related training to various audiences and conducts munitions related research.

Qualifications:

1. Shall possess and provide a Certificate of Completion from the Naval School Explosive Ordnance Disposal (NAVSCOLEOD).
2. Sufficient number of UXO personnel qualified in accordance with Department of Defense Explosives Safety Board (DDESB) Technical Paper (TP) 18 to accomplish the UXO and MPPEH missions.
3. Shall possess, within 9 months of employment:
  - (a) Ammunition Skill Level III Certification in accordance with ATC Regulation 350-8
  - (b) Explosive Test Operator Certification in accordance with ATC Regulation 350-7.
4. Shall possess a certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
5. Shall possess a Class C Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and unrestricted for air brakes.
6. Shall possess license to operate forklifts up to 25,000lbs., backhoes, farm tractors, bulldozers, and other required support equipment.
7. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

8. 7. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

## Explosive Test Operator Leader

### Explosive Test Operator Leader (ETO) (2424 CBA)

#### Job Description

Serves as a working leader responsible for performing a wide variety of tasks associated with ammunition assembly, disassembly, and modification. Provides on the job training, technical advice and assistance to subordinates. Assigns tasks to subordinates and provides guidance to include specific job techniques and safety considerations. Provides technical advice and performs operations related to ammunition and high explosives. Applies concepts, policies, and guidelines contained in applicable SOPs/Risk Assessments to thoroughly inspect and/or modify foreign and/or domestic ammunition or explosives. Reviews available models, drawings, x-rays and schematic diagrams prior to the modification of domestic or foreign ammunition/explosives. Formulates plans to safely and effectively modify ammunition for static detonation. Reviews test plans to ensure that all technical test requirements are met. Collects test data and prepares inspection reports on damage to munitions before and after rough handling, packaging, or transportation tests or munitions that have been fired and recovered for analysis tests. Prepares explosive charges for static detonation tests and employs series, parallel, and combination firing circuits to fire charges. Conducts searches of firing and recovery ranges for hazardous unexploded ordnance and other live and inert ammunition components. Collects unserviceable, deteriorated, and obsolete explosives and residue, ammunition and ammunition components from loading plants, test sites, and storage areas. Prepares demolition pits, determines compatibility of items to be placed in pits for destruction, and engages in demolition operations by burning or detonation in accordance with Federal and State environmental regulations and permits.

**Equipment Operation and Maintenance.** Operates, adjusts, sets up, and maintains locally fabricated and Ammunition Peculiar Equipment specialized for the mission, such as hydraulic presses, crimping machines, bullet pull machines, resizing presses, sewing machines, primer insertion/removal machines, spent brass sorting machines, band saws, torque machines and fuse assembly and disassembly machines. Operates heavy machinery directly or by remote control, from behind barricades or inside bomb proofs. Uses a variety of hand tools and devices, such as portable propane burners, oxyacetylene torches, and equipment for residual propellant decontamination and demilitarization of tracers in projectiles. Uses a variety of magnetometers to search for unexploded ordnance.

**Satellite Accumulation Site(s) (SAS)/Temporary Storage Site (TSS)/Temporary Storage Disposal Facility (TSDF) Management:** Assists in the management and disposal of Hazardous Waste Munitions (HWM) by ensuring compliance with requirements relative to receiving, labeling, marking, handling, storing, packaging, inventory and record-keeping of HWM. Performs mandated inspections of the SAS, TSS and the TSDF Open Burning/Open Detonation (OB/OD) as promulgated by Federal, State, DOD and local regulations. Incumbent may work in different areas to include ammunition, weapons, environmental conditioning or ballistics. Provides full range of ammunition/explosives accountability functions, including physical inventories, data input/output, compatibility storage, research, ammunition warehousing, and similar functions. Processes issue and turn-in of ammunition and explosive materials. Prepares JHAs and

conducts/participates in HAWGs for ammunition processes and modifications. Provides job related training to various audiences and conducts munitions related research.

Qualifications:

1. Shall possess and provide a Certificate of Completion from the Naval School Explosive Ordnance Disposal (NAVSCOLEOD).
2. For individuals not UXO Qualified must have 9 yr. applicable experience, 5 yr. of which are loading, assembling and packing ammunition or comparable military experience.
3. Must have 3 yr. experience leading/supervising.
4. Qualified as an Unexploded Ordnance (UXO) Safety Officer in accordance with Department of Defense Explosive Safety Board (DDESB) Technical Paper (TP) 18.
5. Shall possess, within 9 months of employment:
  - (a) Ammunition Skill Level III Certification in accordance with ATC Regulation 350-8
  - (b) Explosive Test Operator Certification in accordance with ATC Regulation 350-7.
6. Shall possess a certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
7. Shall possess a Class C Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and unrestricted for air brakes.
8. Shall possess license to operate forklifts up to 25,000lbs., backhoes, farm tractors, bulldozers, and other required support equipment.
9. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.
10. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Foreman Maintenance Mechanic**

<b>Foreman Maintenance Mechanic (Exempt)</b>
<b>Job Description</b>
<p>Exercises supervisory responsibility over mechanics and maintenance shop personnel. Plans the use of workers, equipment, facilities, and materials in the maintenance shop area on a day-to-day basis. Plans work assignments based on general work schedules, methods, and policies set by superiors, COR and COTR. Determines the number and type of workers needed to accomplish specific projects; redirects individual workers and resources to accomplish unanticipated work. Informs the Government of the need to revise work schedules and re-estimate labor and other resource needs. Assigns work and provides technical direction; helps in accomplishing difficult work steps. Observes work in progress to anticipate and resolve problems. Inspects completed work for quality.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must have 7 yr. applicable experience.</li> <li>2. Must possess a valid Class A CDL.</li> <li>3. Must have 1 yr. experience leading/supervising.</li> </ol>

**Heavy Equipment Mechanic I**

<b>Heavy Equipment Mechanic I (2424 CBA)</b>
<b>Job Description</b>

Provides support in testing and maintenance of developmental and fielded items to include tracked vehicles, heavy equipment, trucks, trailers, forklifts, fixed and mobile equipment, both tactical and commercial. Duties require application of extensive practical knowledge of various equipment areas such as mechanical, electrical, pneumatic, and hydraulic systems. Operates and maintains all forms of automotive and support type equipment using a wide range of mechanical concepts and principles. Troubleshoots and diagnoses faults by using the proper diagnostic equipment. Interprets wiring schematics and hydraulic flow charts. Documents repairs needed, recommends/researches repair parts, and completes required paperwork. Repairs and services automotive air conditioning systems used with automotive and support equipment. Coordinates maintenance efforts with Test Officer, Foreman or Contract supervisor. Documents daily activity using the Electronic Maintenance Log.

Qualifications:

1. Must have 1 yr. applicable experience or completion of formal training.
2. Shall possess a Class A Commercial Driver's License (CDL):
  - (a) 50% shall possess a valid CDL.
  - (b) 25% shall possess a valid CDL with HAZMAT and Tanker endorsements.
3. 10% shall possess a Refrigerant Recovery and Recycling Certification.

Specific Equipment Requirements for each Contractor Manyear Equivalent:

1. Mechanics toolkit.

DESCRIPTION
Adjustable wrench set (3 piece)
Punch and chisel set (5 piece)
Mechanics tool set (1025- piece )
12 oz. Ball Peen Hammer With Fiber Glass Handle With Rubber Cover
Industrial 52in. w x 21.7in. D 15-drawer tool chest and rolling cabinet combo in matte
1/2in impact wrench
Locking pliers set (3-piece)
Dominator pry bar sat (3-piece)
16 lbs. Steel Octagonal Sledge Hammer With Fiber Glass Handle
Multi-Purpose Pliers Set (5-Piece)
Oil Filter Pliers (2-Piece)

**Heavy Equipment Mechanic II**

<b>Heavy Equipment Mechanic II (2424 CBA)</b>
<b>Job Description</b>
Works independently and provides direction to lower level mechanics. Repairs a variety of heavy equipment and tactical and commercial vehicles. Maintains, repairs, rebuilds a variety of engines, brake systems, drive trains, suspension systems and electrical systems. Provides support in testing and maintenance of developmental and fielded items to include tracked vehicles, heavy equipment, trucks, trailers, forklifts, fixed and mobile equipment, both tactical and commercial. Duties require application of extensive practical knowledge of various equipment areas such as mechanical, electrical, pneumatic and hydraulic systems. Operates and maintains

all forms of automotive and support type equipment using a wide range of mechanical concepts and principles. Troubleshoots and diagnoses faults by using the proper diagnostic equipment. Interprets wiring schematics and hydraulic flow charts. Documents repairs needed, recommends/ researches repair parts, and completes required paperwork. Repairs and services automotive air conditioning systems used with automotive and support equipment.

Qualifications:

1. Must have 3 yr. applicable experience or completion of formal training and 2 yr. applicable experience.
2. Shall possess a Class A Commercial Driver's License (CDL).
3. Must possess a Refrigerant Recovery and Recycling Certification.

Specific Equipment Requirements for each Contractor Manyear Equivalent:

1. Mechanics toolkit.

DESCRIPTION
Adjustable wrench set (3 piece)
Punch and chisel set (5 piece)
Mechanics tool set (1025- piece )
12 oz. Ball Peen Hammer With Fiber Glass Handle With Rubber Cover
Industrial 52in. w x 21.7in. D 15-drawer tool chest and rolling cabinet combo in matte
1/2in impact wrench
Locking pliers set (3-piece)
Dominator pry bar sat (3-piece)
16 lbs. Steel Octagonal Sledge Hammer With Fiber Glass Handle
Multi-Purpose Pliers Set (5-Piece)
Oil Filter Pliers (2-Piece)

**Heavy Equipment Mechanic Leader**

Heavy Equipment Mechanic Leader (2424 CBA)
Job Description
Serves as working leader to include the coordination of efforts necessary to accomplish all assigned maintenance tasks. Coordinates maintenance and repairs with Government and contractor repair shops. Ensures tools, equipment, parts, shop supplies, and personnel are available to perform assigned maintenance tasks on a daily basis. Ensures all applicable safety regulations are adhered to during maintenance operations. Reviews mechanic's daily logs. Assigns work and provides technical direction; helps in accomplishing difficult work procedures, observes work in progress to anticipate and resolve problems. Inspects completed work frequently.
<u>Qualifications:</u>

1. Must have 5 yr. applicable experience, 1 yr. of which as a Heavy Equipment Mechanic II.
2. Must have 3 yr. experience leading/supervising.
3. Shall possess a Class A Commercial Driver's License (CDL).
4. Must possess a Refrigerant Recovery and Recycling Certification.

## Heavy Equipment Operator

### Heavy Equipment Operator (2424 CBA)

#### Job Description

Operates various items of engineering and ordnance equipment in the construction and maintenance of ranges, moving and/or transporting heavy, bulky and oversized material and equipment. Transports and dispenses fuel as required. Operates engineering equipment: Scrapers, Graders, Tractor and trailer combinations (80,000 pound to 250,000+ pound)(includes flat bed, low boy, articulated, and roll-off), Compactors (Steel wheel, vibratory, pneumatic, or sheeps-foot) Dump trucks, Loaders (tracked or wheeled), Agricultural tractors with mowers (bat wing or gang reel), Lawn mowers (push mowers), sub-compact tractors, zero-turn mowers, Backhoes, Hydraulic Excavators [HYEX] (tracked or wheeled), Bulldozers (4-way blade), Bulldozers (6-way blade), Excavators (truck mounted... aka Gradall), Multi-terrain loaders (tracked or wheeled)(aka skid-steer), Equipment with integrated tools (encompasses all above where applicable): hydraulic hammers, hydraulic saws; tree clearing/ brush clearing blades, flails, or cutters; metal shearers, rock crushers, snow plows, salt spreaders, and lifting devices) Operators also shall utilize powered pioneer tools such as chain saws and string trimmers. Shall read, understand, and execute plans, blue prints, and specifications. These include erosion and sediment controls, road or test course specifications, new construction, maintenance efforts, novel and complex designs, and the ability to determine tactics techniques, and procedures to undertake mission related construction practices associated with developmental test operations using standard and non-standard industrial construction equipment. This includes government furnished, military variants and, compliance with State or Federal regulations regarding safety and environment.

Executes land clearing, tree and brush clearing, grading, and excavating to clear and grade areas, remove earth, slope banks, dig ditches and level road beds in support of ATC test programs. Constructs berms and firing pads, parking pads, maintains roadways, and clears snow and debris as required. Uses equipment attachments such as winches, grading blades, and trail blazing blades. Performs operator preventive maintenance on assigned equipment according to applicable military -10/-20 standards or in accordance with manufacturers' maintenance manuals. Operates heavy equipment such as clamshells, power shovels, motor graders, heavy loaders, bulldozers, rollers, scrapers, and large industrial tractors with box blades, plows, rakes, mowing, cutting, disc, and, scraper attachments. Equipment is used to excavate, load or move dirt, gravel or other materials. Operator must read and interpret grade and slope stakes and simple plans. Operators shall grease, adjust and make emergency repairs to equipment. Operators will serve as escorts and guards for vehicles being transported throughout the US and Canada.

Operates motor vehicles with responsibility for proper loading, unloading, and performs preventive maintenance. Operates truck tractors semi-trailers to transport heavy, bulky and oversized materials and equipment such as armor plate, track laying vehicles, and aircraft fuselages to on-post locations and off-post locations such as Churchville, Edgewood, throughout the United States and Canada. Operates heavy-duty trucks (4 ton and over) to transport materials and equipment to various areas within the installation. Delivers test items across United States and Canada and may be TDY for extended times. Operates 10-ton tractor with 20-ton tank trailer, which carries up to 5,000 gallons of gasoline and/or diesel fuel to make scheduled daily and weekly deliveries to on-post locations and off-post locations such as



Edgewood and Churchville. Dispenses proper amount of fuel from truck to storage tanks in accordance with correct operating procedures. Operates aerial platforms to lift, move, emplacement of guns, armor plate, and for forestry type operations. Aerial platforms are used where ladders are not practical. Assembles rigging to lift and move equipment or material. Selects cables, ropes, pulleys, winches, blocks, and sheaves, according to weight and size of load to be moved. Attaches load with grappling devices, such as loops, wires, ropes and chains, to crane hook. As a rigger, gives directions to Bridge-or-Gantry-Crane-or- Mobile-Crane Operator or Hoisting engineer engaged in hoisting and moving loads to insure safety of workers and material handled, using hand signals, loudspeaker, radio, or telephone. Set up, braces, shackles, and rigs hoisting equipment, using hand tools and power wrenches. Operates forklifts up to and in excess of 50,000 pounds. Operators shall perform operator level preventative maintenance, checks, and services (PMCS, US Army equivalent to -10) Performs other duties as assigned.

Qualifications:

1. Must have 5 yr. experience as a heavy equipment operator.
2. Must have at least 1500 hours of operating experience with engineering/construction equipment, (may include combat, tactical), heavy earthwork kit and Material Handling Equipment (MHE).
3. Shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.
4. Shall possess a license to operate forklift(s) and other required support equipment.

**Heavy Equipment Operator Leader**

**Heavy Equipment Operator Leader (2424 CBA)**

**Job Description**

Operates various items of engineering and ordnance equipment in the construction and maintenance of ranges, moving and/or transporting heavy, bulky and oversized material and equipment. Transports and dispenses fuel as required. Operates engineering equipment: Scrapers, Graders, Tractor and trailer combinations (80,000 pound to 250,000+ pound)(includes flat bed, low boy, articulated, and roll-off), Compactors (Steel wheel, vibratory, pneumatic, or sheeps-foot) Dump trucks, Loaders (tracked or wheeled), Agricultural tractors with mowers (bat wing or gang reel), Lawn mowers (push mower, sub-compact tractors, zero-turn mowers, Backhoes, Hydraulic Excavators [HYEX] (tracked or wheeled), Bulldozers (4-way blade), Bulldozers (6-way blade), Excavators (truck mounted... aka Gradall), Multi-terrain loaders (tracked or wheeled)(aka skid-steer), Equipment with integrated tools (encompasses all above where applicable): hydraulic hammers, hydraulic saws; tree clearing/ brush clearing blades, flails, or cutters; metal shearers, rock crushers, snow plows, salt spreaders, and lifting devices) Operators also shall utilize powered pioneer tools such as chain saws and string trimmers. Shall read, understand, and execute plans, blue prints, and specifications. These include erosion and sediment controls, road or test course specifications, new construction, maintenance efforts, novel and complex designs, and the ability to determine tactics techniques, and procedures to undertake mission related construction practices associated with developmental test operations using standard and non-standard industrial construction equipment. This includes government furnished, military variants and, compliance with State or Federal regulations regarding safety and environment. Will oversee execution of work by level I through IV personnel while still performing operations. Leads jobsite operations (without administrative, supervisory authority) and prepares plans for

execution of assigned tasks and projects from start to completion. This includes organizing equipment, logistics requirements, and preparing estimates for materials. Supervises execution of land clearing, tree and brush clearing, grading, and excavating to clear and grade areas, remove earth, slope banks, dig ditches and level road beds in support of ATC test programs. Constructs berms and firing pads, parking pads, maintains roadways, and clears snow and debris as required. Uses equipment attachments such as winches, grading blades, and trail blazing blades. Performs operator preventive maintenance on assigned equipment according to applicable military -10/-20 standards or in accordance with manufacturers' maintenance manuals. Operates heavy equipment such as clamshells, power shovels, motor graders, heavy loaders, bulldozers, rollers, scrapers, and large industrial tractors with box blades, plows, rakes, mowing, cutting, disc, and, scraper attachments. Equipment is used to excavate, load or move dirt, gravel or other materials. Operator must read and interpret grade and slope stakes and simple plans. Operators shall grease, adjust and make emergency repairs to equipment. Operators will serve as escorts and guards for vehicles being transported throughout the US and Canada.

Operates motor vehicles with responsibility for proper loading, unloading, and performs preventive maintenance. Operates truck tractors semi-trailers to transport heavy, bulky and oversized materials and equipment such as armor plate, track laying vehicles, and aircraft fuselages to on-post locations and off-post locations such as Churchville, Edgewood, throughout the United States and Canada. Operates heavy-duty trucks (4 ton and over) to transport materials and equipment to various areas within the installation. Delivers test items across United States and Canada and may be TDY for extended times.

Operates 10-ton tractor with 20-ton tank trailer, which carries up to 5,000 gallons of gasoline and/or diesel fuel to make scheduled daily and weekly deliveries to on-post locations and off-post locations such as Edgewood and Churchville.

Administrates and assures for time keeping of personnel, administration of licensing and regulatory requirements. Assists in the planning and procurement of equipment, adherence to regulations, assure proper work estimates, job site safety, accounts for equipment and materials. Ensures personnel are compliant and properly cross-trained to assure full functionality of the section in regard to support to developmental testing and sustainment of test infrastructure. Ensures fair accountability for special assignments like travel, overtime, and other duties to prevent over tasking of personnel and under tasking. Validates equipment repairs as a subject matter expert, validates operator preventative maintenance, checks, and services (PMCS). Assures quality control and quality assurance of repairs and services completed by maintenance personnel.

Operates aerial platforms to lift, move, emplacement of guns, armor plate, and for forestry type operations. Aerial platforms are used where ladders are not practical. Assembles rigging to lift and move equipment or material. Selects cables, ropes, pulleys, winches, blocks, and sheaves, according to weight and size of load to be moved. Attaches load with grappling devices, such as loops, wires, ropes and chains, to crane hook. As a rigger, gives directions to Bridge-or-Gantry-Crane-or- Mobile-Crane Operator or Hoisting engineer engaged in hoisting and moving loads to insure safety of workers and material handled, using hand signals, loudspeaker, radio, or telephone. Set up, braces, shackles, and rigs hoisting equipment, using hand tools and power wrenches. Operates forklifts up to and in excess of 50,000 pounds. Operators shall perform operator level preventative maintenance, checks, and services (PMCS, US Army equivalent to -10). Responsible for site specific safety plans and advises Levels I through IV personnel on tactics, techniques, and procedures. Serves as the validator for unit training on equipment and vehicle operations. Assures safety compliance for mobile crane operations Tracks unit maintenance, status equipment services, equipment availability, serviceability, safety, and advises customers on status thereof. Performs other duties as assigned.

Qualifications:

1. Must have 15 years of applicable experience
2. Must possess a valid Class A CDL with HAZMAT and Tanker endorsements.
3. Must have over 5 years of experience in a designated leadership or supervisory position

## HVAC Operator

<b>HVAC Operator (186 CBA)</b>
<b>Job Description</b>
<p>Performs a variety of duties with minimal supervision concerned with the operations on a wide variety of complex industrial equipment. Responsibilities include but are not limited to the following: operates fixed environmental test chamber; monitors/controls operation of portable conditioning chambers located throughout Aberdeen and Edgewood areas of APG utilizing the LAN central console; performs control setups, instrumentation monitoring and general instrument operations; performs operations, preventive maintenance, and visual inspections on all equipment associated with fixed environmental chambers; assists test personnel; assists technicians from private industry during large repairs and/or modifications; operates chamber refrigeration equipment from a PC- based workstation; accesses plant wide information, initiates set points and operational changes through communications with the microprocessor panels; monitors alarm system; follows SOPs listed in the facilities Risk Management Plan; assists testing personnel to meet test requirements; and wears appropriate PPE when required.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must have 2 yr. applicable experience.</li> <li>2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li> <li>3. Shall possess a Refrigerant Transition and Recovery Certification.</li> <li>4. Shall possess a Maryland State HVAC Apprentice License or equivalent within 1 year of employment.</li> <li>5. Shall possess a Refrigeration Engineers &amp; Technicians Association (RETA) Apprentice Operator's Certification or equivalent certification within 1 year of employment.</li> <li>6. After 3 months of employment, personnel shall be able to demonstrate the ability to navigate the FES workstation for all test and maintenance operations; personnel shall demonstrate knowledge of the ammonia equipment and routine maintenance required. This requirement is a qualification to work at Bldg 383A/B/C test facilities.</li> <li>7. Shall possess a license to operate forklift(s) and other required support equipment.</li> <li>8. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months employment.</li> <li>9. Shall be required to utilize protective clothing and equipment; specifically, Full Face Respirators, Level-A Chemical Suits, and Self-Contained Breathing Apparatus (SCBA).</li> <li>10. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.</li> </ol>

## HVAC Operator Maintainer

<b>HVAC Operator Maintainer (186 CBA)</b>
<b>Job Description</b>

Responsible for a variety of facility operations which support test activities; monitors and operates the facility operations independently from a PC-based workstation, accesses facility-wide information, monitors alarms and responds promptly with the necessary action; attends meetings and works with engineers/testing personnel to ensure test requirements are met; reviews facilities' test schedule and coordinates with project leaders on test plans; provides guidance and monitors test setup to ensure test does not exceed facility capabilities; provides facility safety briefs to all test personnel prior to starting test; performs data acquisition setups to record/retrieve/report data; coordinates with the ATC facility site manager on all aspects of the facilities' operation; performs preventive maintenance and compliance inspections, and maintenance repairs on Refrigeration (HVACR) systems that use multiple types of refrigerants; interprets blue prints, drawings, diagrams and schematics to troubleshoot HVACR systems; works beside private industry contractors during maintenance repairs and/or modifications; follows the facility emergency action plan, and responds and takes mitigation actions required on ammonia releases while following flowcharts and procedures; briefs the APGFD Incident Commander on accidents and ammonia releases; responsible for ongoing review and maintenance of facility Process Safety Management (PSM) plan elements; reviews, updates, develops and participates in management of change, incident investigation, process hazard analysis, pre-startup safety and procedure documentation submissions; maintains and tracks the mechanical integrity data; provides ATC facility manager a list of maintenance supplies and repair parts to perform all required tasks; monitors all onsite personnel for compliance with health, safety, security, environmental and SOP requirements; follows industry guidelines and practices, and wears proper PPE when appropriate; operates all vehicles, lifts and other equipment within policies and training; provides interior and exterior housekeeping requirements.

Qualifications:

1. Must have 6 yr. applicable experience; or completion of formal training and 4 yr. applicable experience.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a Refrigerant Transition and Recovery Certification.
4. Shall possess a Maryland State HVAC Journeyman's License or equivalent within 1 year of employment.
5. Shall possess a Refrigeration Engineers & Technicians Association (RETA) Certified Industrial Refrigeration Operator (CIRO) Certification or equivalent certification within 1 year of employment.
6. After 3 months of employment, personnel shall be able to demonstrate the ability to navigate the FES workstation for all test and maintenance operations; personnel shall demonstrate knowledge of the ammonia equipment and routine maintenance required. This requirement is a qualification to work at Bldg 383A/B/C test facilities.
7. Shall possess a license to operate forklift(s) and other required support equipment.
8. Shall possess a man lift license.
9. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
10. Shall be required to utilize protective clothing and equipment; specifically, Full Face Respirators, Level-A Chemical Suits, and Self-Contained Breathing Apparatus (SCBA).
11. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

## HVAC Operator Maintainer Leader

<b>HVAC Operator Maintainer Leader (186 CBA)</b>
<b>Job Description</b>
<p>Provides expertise for a variety of unique facility operations which support test activities; monitors and operates the facility operations from a PC-based workstation, accesses facility-wide information, monitors alarms and responds promptly with the necessary action; attends meetings and works with engineers/testing personnel to ensure test requirements are met; reviews facilities' test schedule and coordinates with project leaders on test plans; consults with project leaders and provides solutions on test problems and issues; provides guidance and monitors test setup to ensure test does not exceed facility capabilities; provides facility safety briefs to all test personnel prior to starting test; performs data acquisition setups to record/retrieve/report data; coordinates with the ATC facility site manager on all aspects of the facilities' operation; provides expertise and guidance on MIL-STD-810 testing; develops staff requirements daily for test operations and equipment maintenance tasks; performs preventive maintenance and compliance inspections, and maintenance repairs on Refrigeration (HVACR) systems that use multiple types of refrigerants; interprets blue prints, drawings, diagrams and schematics to troubleshoot HVACR systems; works beside private industry contractors during maintenance repairs and/or modifications; follows the facility emergency action plan, and subsequently responds and takes mitigation actions required on ammonia releases while following flowcharts and procedures; provides technical guidance and complex solutions to minimize the impact of an ammonia release; briefs the APGFD Incident Commander on accidents and ammonia releases; responsible for ongoing review, compliance and maintenance of facility Process Safety Management (PSM) plan elements; reviews, updates, develops and certifies documentation for management of change, incident investigation, process hazard analysis, and pre-startup safety submissions; holds staff meetings to review process hazard analysis, incident investigations and management of change documentation prior to PSM plan submission; annually certifies operating, maintenance and isolations procedures for accuracy; reviews and certifies maintenance work permits; annually develops and provides PSM and equipment training for the facility staff; maintains and tracks the mechanical integrity data; provides ATC facility manager a list of maintenance supplies and repair parts to perform all required tasks; provides detailed evaluation and recommendations on test facility operation and safety; monitors all on-site personnel for compliance with health, safety, security, environmental and SOP requirements; follows industry guidelines and practices, and wears proper PPE when appropriate; operates all vehicles, lifts and other equipment within policies and training.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. 8 yr. applicable experience; or completion of formal training and 6 yr. applicable experience.</li><li>2. 3 yr. experience leading/supervising.</li><li>3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>4. Shall possess a Refrigerant Transition and Recovery Certification.</li><li>5. Shall possess a Maryland State HVAC Journeyman's License or equivalent within 1 year of employment.</li><li>6. Shall possess a Refrigeration Engineers &amp; Technicians Association (RETA) Certified Industrial Refrigeration Operator (CIRO) Certification or equivalent certification within 1 year of employment.</li><li>7. Shall possess a license to operate forklift(s) and other required support equipment.</li><li>8. Shall possess a man lift license.</li></ol>

9. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
10. Shall be required to utilize protective clothing and equipment; specifically, Full Face Respirators, Level-A Chemical Suits, and Self-Contained Breathing Apparatus (SCBA).
11. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

### Light Armor Range Technician Helper

#### Light Armor Range Technician Helper (LART)

##### Job Description

Performs a variety of tasks associated with armor testing and firing programs, including setup, transporting items, operating and firing weapons ranging from small arms to large caliber, taking measurements, and clean-up. Tasks are manual and mechanical in support of testing personal protective equipment, armor, weapons, ammunition, weapon related equipment, and simulation testing. Tasks include setting up and taking down range equipment and instrumentation, clay working, preparing test items for testing; loading, firing, and unloading weapons; loading and unloading ammunition; cleaning weapons and equipment; and assembling and disassembling weapons and equipment. Performs a broad range of duties in connection with the provision of ammunition assembly, disassembly, and modification. Custom loads ammunition to include domestic and foreign, standard and nonstandard, small arms ammunition, artillery ammunition, and tank ammunition. Ensures quality control is met and maintained during all phases of testing. Operates computer equipment to maintain an ammunition inventory and a continuous audit trail of ammunition assets. Provides full range of ammunition and explosives accountability functions, including physical inventories, data input and output, compatibility storage, research, ammunition warehousing, and similar functions. Supports preparation of Job Hazard Analyses (JHAs) and participates in Hazard Analysis Working Groups (HAWGs) for test processes and modifications.

**Equipment Operation and Maintenance.** Performs operator level maintenance on weapon systems and related test equipment. Performs various measurements on test items and equipment such as weights, dimensions, temperature, and clay calibration drop depth readings. Prepares, operates, adjusts, and maintains ammunition processing equipment, such as hydraulic presses, crimping machines, bullet pull machines, resizing presses, and primer insertion/removal machines. Operates automated digital weighing equipment, and remote video monitoring and recording equipment. Uses various measuring devices and gauges. Uses a variety of hand tools, paints, stencils, and cleaning materials. Records maintenance related data and test data from range instrumentation. Takes routine digital still images and video imagery of test operations where basic event documentation is required.

##### Qualifications:

1. 2 yr. of applicable experience firing weapons or equivalent test and evaluation range experience or completion of formal training. Must possess basic computer skills.
2. Shall possess an Ammunition Certification Level I with a C and/or E endorsement, in accordance with ATC Regulation 350-8, within 6 months of employment.
3. Shall possess a license to operate forklift(s) and other required support equipment.
4. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

## Light Armor Range Technician (LART)

Light Armor Range Technician (LART) (2424 CBA)
Job Description
<p>Performs a variety of tasks associated with armor testing and firing programs, including setup, transporting items, operating and firing weapons ranging from small arms to large caliber, taking measurements, and clean-up. Tasks are manual and mechanical in support of testing personal protective equipment, armor, weapons, ammunition, weapon related equipment, and simulation testing. Tasks include setting up and taking down range equipment and instrumentation, clay working, preparing test items for testing; loading, firing, and unloading weapons; loading and unloading ammunition; cleaning weapons and equipment; and assembling and disassembling weapons and equipment. Performs a broad range of duties in connection with the provision of ammunition assembly, disassembly, and modification. Custom loads ammunition to include domestic and foreign, standard and nonstandard, small arms ammunition, artillery ammunition, and tank ammunition. Ensures quality control is met and maintained during all phases of testing. Operates computer equipment to maintain an ammunition inventory and a continuous audit trail of ammunition assets. Provides full range of ammunition and explosives accountability functions, including physical inventories, data input and output, compatibility storage, research, ammunition warehousing, and similar functions. Supports preparation of Job Hazard Analyses (JHAs) and participates in Hazard Analysis Working Groups (HAWGs) for test processes and modifications.</p> <p><b>Equipment Operation and Maintenance.</b> Performs operator level maintenance on weapon systems and related test equipment. Duties may include: repairing target fixtures, gun mounts, velocity measurement equipment, laser designators, mount assemblies and fire control support equipment; repairing and maintaining artillery, tank systems, and infantry weapons; cleaning and lubricating gun barrels, sights, and other firing system components; testing and adjusting weapons; and diagnosing and troubleshooting malfunctions in fire control systems, weapons, and related equipment. Performs various measurements on test items and equipment such as weights, dimensions, temperature, and clay calibration drop depth readings. Prepares, operates, adjusts, and maintains ammunition processing equipment, such as hydraulic presses, crimping machines, bullet pull machines, resizing presses, and primer insertion/removal machines. Operates automated digital weighing equipment, and remote video monitoring and recording equipment. Uses various measuring devices and gauges. Uses a variety of hand tools, paints, stencils, and cleaning materials. Records maintenance related data and test data from range instrumentation. Performs data analysis and reports test results. Takes routine digital still images and video imagery of test operations where basic event documentation is required.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 5 yr. applicable experience firing weapons or equivalent test and evaluation range experience. Must have demonstrated leadership ability. Must possess basic computer skills, including word processing and spreadsheets.</li><li>2. Shall possess an Ammunition Certification Level I with a C and/or E endorsement, in accordance with ATC Regulation 350-8, within 6 months of employment.</li><li>3. Shall possess a license to operate forklift(s) and other required support equipment.</li><li>4. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&amp;E) within 6 months of employment.</li><li>5. Must complete LART Training and Certification Program</li><li>6. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.</li></ol>

## Logistician Assistant

<b>Logistician Assistant (Exempt)</b>
<b>Job Description</b>
<p>Manages, coordinates and performs assigned areas of ATC's logistics program. Applies broad knowledge and logistics management skills spanning several distinct disciplines, such as utilization, maintenance, supply, loan and lease, property accountability, and calibration. Works independently to perform assignments that are not completely standardized or prescribed. Operates and updates computerized logistic systems and Army management information systems. Plans, coordinates and conducts logistics projects and briefings. Work requires professional knowledge of logistics principles, techniques and practices and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short-term goals and objectives. Participates in/leads audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 5 yr. applicable experience or an Associate's Degree in specialization or related discipline and 3 yr. applicable experience; or a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience.</li></ol>

## Logistician

<b>Logistician (Exempt)</b>
<b>Job Description</b>
<p>Serves as a working leader responsible for leading and providing technical advice and assistance. Works independently to perform assignments that are not completely standardized or prescribed. Selects or adapts standard procedures or equipment, using fully applicable precedents. Provides support to include equipment management, inventory control, property control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Operates and updates computerized logistic systems. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short-term goals and objectives. Participates in/leads audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects. May serve as primary operator of the Unit Level Logistics System S4 (ULLS-S4). Updates and maintains inventory records. Interfaces with the PBO and Primary Hand Receipt Holders to produce sub-hand receipts and component listings. Manages databases and supporting documents. Provides technical expertise regarding hand receipt management and property accountability. Manages the accountability of durable items. Signs for and delivers supplies and material to end users. Identifies excess and processes for turn-in. Confers with department supervisors to</p>



determine materials overdue and to inform them of location, availability, and condition of materials. Locates and moves materials to specified production areas. Records quantity and type of materials distributed and on hand

Qualifications:

1. Must have a Bachelor's Degree in specialization or related discipline and 7 years applicable experience; or Master's Degree in specialization or related discipline and 5 years applicable experience; or Doctorate Degree in specialization or related discipline and 3 years applicable experience.
2. Must have 3 yr. experience leading/supervising.

**Marine Mechanic**

**Marine Mechanic (2424 CBA)**

**Job Description**

Analyzes malfunctions and repairs, rebuilds, and maintains various types of marine diesel engines (e.g. Detroit Diesel) and related equipment, such as generators, transmissions, pumps, macerator units, electric starters, and compressors. Inspects, repairs, and overhauls diesel water pumps, steering gears, fuel injection equipment, propulsion shafts, hydraulic systems, electrical (AC and DC) systems, and oil/water separator units. Maintains capstans, winches, pumps, hoisting equipment, pneumatic tools, etc. Operates and inspects machines or equipment to diagnose defects. Makes visual and operational checks, troubleshoots and diagnoses mechanical or electrical malfunctions using a wide variety of test equipment, such as a multi-meter, timing light, compression tester, feeler gauge, piston ring compressor, dial indicator, and inside and outside micrometer. Interprets and applies manufacturers repair manuals and technical specifications, schematics, safety and service manuals. Performs tune-ups and major overhauls to power head, replacing pistons and rings, bearings, valves and gaskets. Repairs wiring, switches, adjusts throttle arms, and replaces water pump impellers and intake pumps in cooling systems. Checks propellers, fittings, tanks and fuel lines. Flushes and lubricates motors, grease throttle and gear controls. Dismantles and reassembles equipment, using hoists and hand tools. Examines parts for damage or excessive wear, using micrometers and gauges. Replaces defective engines and subassemblies, such as transmissions. Tests overhauled equipment to ensure operating efficiency. Performs lubrication of all machinery, including various parts of the boats, and aligns and adjusts tension or fitting. Maintains batteries. Operates travel lift.

Qualifications:

1. Must have 5 yr. applicable experience or completion of formal training and 3 yr. applicable experience.

**Mission Support Manager**

**Mission Support Manager (Exempt) – Key Personnel**

**Job Description**

Qualifications:

1. Must have 10 years of applicable experience; or must have a Bachelor's Degree and 7 years applicable experience; or a Master's Degree and 5 years applicable experience.

2. MSMs shall have 3 years of experience managing 50 or more people in an engineering or scientific field.
3. MSMs shall have 3 years of relevant technical expertise in areas being managed.
4. MSMs shall work with ATC's leadership, including Division and Branch Chiefs, on a daily basis to manage the cost, schedule and performance of the contract.

### Painter, Automotive

#### Painter, Automotive (2424 CBA)

##### Job Description

Coats surfaces or motor vehicles such as automobiles, buses, and trucks with paint, lacquer, epoxy, resin or other material, using brushes, rollers, spray guns and other devices. Removes old paint from vehicle, using liquid paint remover and scraper. Smooths surfaces with sandpaper and steel wool. Roughens aluminum surfaces with acid solution and steel wool to ensure that paint adheres to surface. Masks and covers portions of surfaces not to be painted. Paints vehicle or specified portion of vehicle. May paint insignia, letters or numerals on vehicle surface, using stencils.

##### Qualifications:

1. Must have 2 yr. applicable experience; or completion of formal training.
2. Shall possess a license to operate forklift(s) and other required support equipment.
3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

### Painter Leader

#### Painter Leader (2424 CBA)

##### Job Description

Serves as a working leader responsible for leading and providing technical advice and assistance. Coats surfaces or motor vehicles such as automobiles, buses, and trucks with paint, lacquer, epoxy, resin or other material, using brushes, rollers, spray guns and other devices. Removes old paint from vehicle, using liquid paint remover and scraper. Smooths surface with sandpaper and steel wool. Roughens aluminum surfaces with acid solution and steel wool to ensure that paint adheres to surface. Masks and covers portions of surfaces not to be painted. Paints vehicle or specified portion of vehicle. May paint insignia, letters or numerals on vehicle surface, using stencils. Instructs employees in specific task and job techniques. Conducts on-the-job training to ensure work is complete and accurate.

##### Qualifications:

1. Must have 6 yr. applicable experience or completion of formal training and 4 yr. applicable experience.
2. Must have 3 yr. experience leading/supervising.
3. Shall possess a license to operate forklift(s) and other required support equipment.
4. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

## Photographer I

<b>Photographer I (2424 CBA)</b>
<b>Job Description</b>
<p>Assist more senior photographers in performing a variety of tasks associated with technical work within the Plans and Operations Directorate, providing photographic technical advice and set up for a variety of test operations and similar type tasks across the Command. Requires the ability to learn and apply established methods, procedures and techniques. Receives explicit instructions on assignments and is subject to a review of the technical adequacy of all work. Assists in the performance of all tasks and assignments under close supervision and direction of a more senior Technician. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements. The work requires the use of protective equipment and clothing. Performs simple routine tasks and assists higher level technicians with: outline procedures and issues, gathering data and assisting in interpreting data and reports; determining the use of special-purpose cameras and related equipment for assignments. Will assist higher level technicians with the setup and use of specialized still and video cameras, airborne systems, single or dual camera high-speed imaging systems, electronic timing and triggering devices, complicated timing and triggering equipment; precise photographic measurement and control equipment; synchronized stroboscopic (interval) light sources, and/or timed electronic triggering; and arranges and uses cameras operating at several thousand frames per second.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. 1 yr. applicable experience in video or still photography; or completion of formal training.</li><li>2. Specific Equipment Requirements for each Contractor Manyear Equivalent: 4x2 Cargo Van, Max payload 4,282, V6, rear door windows, back up camera (Chevrolet Express Cargo Van equivalent) suitable to transport personnel and equipment.</li></ol>

## Photographer II

<b>Photographer II (2424 CBA)</b>
<b>Job Description</b>
<p>Performs a variety of tasks associated with technical work within the Plans and Operations Directorate, providing photographic technical advice and set up for a variety of test operations and similar type tasks across the Command. Performs standardized or prescribed assignments under the supervision of a more senior photographers and follows standard work methods on recurring assignments. Receives explicit instructions on unfamiliar assignments and is subject to a review of the technical adequacy of all work. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements. The work requires the use of protective equipment and clothing. Performs standardized or prescribed tasks related to the outlines procedures and issues, gathers data and assists in interpreting data and reports; determines the use of special-purpose cameras and related equipment for assignments; conceives and plans the technical photographic effects desired by operating officials and discusses modifications and improvements to their original ideas in light of the potential and limits of the equipment. Typical examples of equipment that require set up and use include: specialized still and video cameras, airborne systems, single or dual camera multiple high-speed imaging systems, electronic timing and triggering devices, complicated timing and triggering</p>

equipment; precise photographic measurement and control equipment; synchronized stroboscopic (interval) light sources, and/or timed electronic triggering; and arranges and uses cameras operating at several thousand frames per second. Uses mathematical image analysis software to provide 2- dimensional scoring of impact locations, calculate pitch, yaw, and velocity of various test projectiles. Responsible for the live streaming of test data to internal and external locations.

Qualifications:

1. 2 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. applicable experience; or 30 credit hours and 2 yr. applicable experience; or completion of a formal training program and 1 yr. applicable experience.
2. Specific Equipment Requirements for each Contractor Manyear Equivalent:  
4x2 Cargo Van, Max payload 4,282, V6, rear door windows, back up camera (Chevrolet Express Cargo Van equivalent) suitable to transport personnel and equipment.

### Photographer III

#### Photographer III (2424 CBA)

#### Job Description

Works independently and directs less experienced personnel to perform a variety of tasks associated with technical work within the Plans and Operations Directorate, providing photographic technical advice and set up for a variety of test operations and similar type tasks across the Command. Performs standardized or prescribed assignments and follows standard work methods on recurring assignments. Receives explicit instructions on unfamiliar assignments and is subject to a review of the technical adequacy of all work. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements. May be called upon to mentor other photographers of the same or lesser grade on techniques and process improvements. The work requires the use of protective equipment and clothing. Duties include development of project plans, outlines procedures and issues, gathers data, analyzes and assists in interpreting data and reports; coordinates issues pertaining to compliance and corrective actions, determines the use of special-purpose cameras and related equipment for assignments; conceives and plans the technical photographic effects desired by operating officials and discusses modifications and improvements to their original ideas in light of the potential and limits of the equipment. Typical examples of equipment that require set up and use include: specialized still and video cameras, airborne systems, single or dual camera multiple high-speed imaging systems, electronic timing and triggering devices, complicated timing and triggering equipment; precise photographic measurement and control equipment; synchronized stroboscopic (interval) light sources, and/or timed electronic triggering; and arranges and uses cameras operating at several thousand frames per second. Uses mathematical image analysis software to provide 2- dimensional scoring of impact locations, calculate pitch, yaw, and velocity of various test projectiles. Responsible for the live streaming of test data to internal and external locations.

Qualifications:

1. 3 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and one year applicable experience; or 30 credit hours and 2 yr. applicable experience; or completion of a formal training program and 1 yr. applicable experience.
2. Specific Equipment Requirements for each Contractor Manyear Equivalent:

4x2 Cargo Van, Max payload 4,282, V6, rear door windows, back up camera (Chevrolet Express Cargo Van equivalent) suitable to transport personnel and equipment.

## Photographer IV

### Photographer IV (2424 CBA)

#### Job Description

Serves as a subject matter expert (SME) and directs less experienced personnel to perform a variety of tasks associated with technical work within the Plans and Operations Directorate, providing photographic technical advice and set up for a variety of test operations and similar type tasks across the Command. May support operations at various sites or may be assigned to a specific test facility or program. Responsible for leading and providing technical advice and assistance to lower level photographers. Requires the ability to select and adapt established methods, procedures and techniques in the performance of standardized or prescribed assignments and follows standard work methods on recurring assignments. Receives initial instructions, equipment requirements, and advice from the supervisor or engineer as needed and performs recurring work independently. The work is reviewed for technical adequacy or conformity with instructions and is subject to a review of the technical adequacy of all work. Actively participates to ensure personal safety, team safety, visitor safety, and end user safety in accordance with policy, standard operating procedures, and locally identified hazard mitigation requirements. The work requires the use of protective equipment and clothing. Duties may include, but will not be limited to: development of project plans, outlines procedures and issues, identifies long and short term goals and objectives; gathers data, analyzes and assists in interpreting data and reports; coordinates issues pertaining to compliance and corrective actions, determines the use of special-purpose cameras and related equipment for assignments; conceives and plans the technical photographic effects desired by operating officials and discusses modifications and improvements to their original ideas in light of the potential and limits of the equipment; improvises photographic methods and techniques or selects and alters secondary photographic features (e.g., scenes, backgrounds, colors, lighting). Typical examples of equipment that require set up and use include: specialized still and video cameras, airborne systems, single or dual camera multiple high-speed imaging systems, electronic timing and triggering devices, complicated timing and triggering equipment; precise photographic measurement and control equipment; synchronized stroboscopic (interval) light sources, and/or timed electronic triggering; and arranges and uses cameras operating at several thousand frames per second. Uses mathematical image analysis software to provide 2- dimensional scoring of impact locations, calculate pitch, yaw, and velocity of various test projectiles. Responsible for the live streaming of test data to internal and external locations.

#### Qualifications:

1. 5 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and 3 yr. applicable experience; or 30 credit hours and 4 yr. applicable experience; or completion of a formal training program and 3 yr. applicable experience; or Bachelor's Degree and 1 yr. applicable experience.
2. Specific Equipment Requirements for each Contractor Manyear Equivalent:  
4x2 Cargo Van, Max payload 4,282, V6, rear door windows, back up camera (Chevrolet Express Cargo Van equivalent) suitable to transport personnel and equipment.

## Program Manager

<b>Program Manager (Exempt) – Key Personnel</b>
<b>Job Description</b>
<u>Qualifications:</u> <ol style="list-style-type: none"><li>3. Must have a Bachelor’s Degree in engineering or an applicable discipline and 15 years applicable experience; or a Master’s Degree in engineering or an applicable discipline and 9 years applicable experience.</li><li>4. The PM shall have 5 years of experience leading/supervising 100 or more people in an engineering or scientific field.</li></ol>

## Project Manager / Team Lead

<b>Project Manager / Team Lead (Exempt)</b>
<b>Job Description</b>
Performs Project Manager or Team Lead duties, such as planning, designing, executing, monitoring, and coordinating resources to complete a project. Demonstrated experience in handling government contracts and work teams. Must have comprehensive knowledge in interpreting requirements. Must have the ability and experience to manage varied complex projects from inception through completion. Should have hands-on experience in field management as well as in-house work. This includes coordination of subcontractors, vendors, and in-house work to meet the requirements of the Government on a timely basis. Proven experience in the management of funds, time, and other resources.
<u>Qualifications:</u> <ol style="list-style-type: none"><li>1. Shall have a Bachelor’s Degree in specialization or related discipline or a Master’s Degree in specialization or related discipline may substitute for 2 years of experience.</li><li>2. Shall have 4 years’ experience relevant to the specific project or team assignment.</li></ol>

## Rigger

<b>Rigger</b>
<b>Job Description</b>
Assembles rigging to lift and move equipment or material in manufacturing plant or shipyard. Selects cables, ropes, pulleys, winches, blocks, and sheaves, according to weight and size of load to be moved. Attaches pulley and blocks to fixed overhead structures, such as beams, ceilings, and gin pole booms, with bolts and clamps. Attaches load with grappling devices, such as loops, wires, ropes and chains, to crane hook. Gives directions to Bridge-or-Gantry-Crane Operator or Hoisting Engineer engaged in hoisting and moving loads to insure safety of workers and material handled, using hand signals, loudspeaker, or telephone. Sets up, braces, and rigs hoisting equipment, using hand tools and power wrenches. Splices rope and wire cables to make or repair slings and tackle. May direct workers engaged in hoisting machinery and equipment into ships.
<u>Qualifications:</u>

1. 3 yr. of applicable experience and at least 200 hours of operating experience with engineer, combat, and Material Handling Equipment (MHE).
2. Must possess a valid Class A CDL.

## Scientist I

### Scientist I (Exempt)

#### Job Description

Performs test engineering and scientific services, special studies, and technical writing and other technical tasks as required. Tasks may include the research and development, design, planning, coordination, execution, and reporting on test programs of military equipment, commercial equipment, and other test items. A variety of technical and scientific support projects include applying instrumentation to test materiel and equipment, developing methods for data acquisition, acquiring and recording test data, imagery, analyzing data, repairing and troubleshooting instrumentation, preparing and setting up test ranges, aligning instrumentation and equipment, verifying adequacy and accuracy of work, preparing and writing reports, removing instrumentation, and related support to test programs. More specific requirements for chemist, health physics, physical and physicist positions follow.

**Chemist I.** Performs professional and scientific work on phases of long and short-range projects and investigations in the field of chemistry (primarily analytical). Utilizes professional knowledge and experience of chemical reactions and analysis to determine the appropriate analytical method or approach to the project. Performs assigned analytical investigations with responsibility for planning of the complete project assignment and the analysis and reporting of findings. Investigates problems, which are of such a degree of complexity that they cannot be resolved directly by an established analytical method. Conducts tests where multiple analyses must be determined in a difficult matrix. Must reduce data, validating findings by comparing with reference standards and formulate conclusions and recommendations. Conducts individual projects utilizing and adapting a wide array of analytical instrumentation to obtain and record repeatable and accurate measurement of target analysis. Characteristic of work processes are the following: conducts literature survey to determine extent of previous efforts; develops an approach, method and techniques; validation of methods and techniques; prepares and tests; analyzes; interprets; and evaluates data. This work can be in a laboratory setting or in a field environment. Prepares reports covering assigned analytical investigations. Presents data, site references, general observations made and resulting conclusions. Composes text of report in such a manner to indicate in appropriate detail the background of the problems, objectives of the investigations, significance or interpretation of results, recommendations and detailed description of procedures. Prepares the necessary correspondence in connection with inquires of related technical information. Plans, coordinates and conducts complex scientific assessments, studies and projects related to mycology, biology, or chemistry. Reviews and prepares, test methods, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates samples of any matrix. Conducts chemical compatibility, fungus, and other related testing. Provides professional scientific technical support and evaluations in support of test projects. Work requires professional knowledge of physical science, biology or chemistry.

**Health Physics I.** Plans, coordinates and conducts complex scientific assessments, studies and projects of radiation protection, restoration and pollution prevention initiatives. Reviews and

prepares radiation work permits, plans, survey reports, monthly operating reports and related documents. Plans, arranges, and manages data collection and review of sample analysis by in-house and external radiochemistry laboratories. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of soil, water, and sediment in accordance with applicable environmental, occupational safety and health regulations and laws. Performs risk assessments of radiation use and test operational procedures and recommends effective mitigation measures. Investigates incidents and accidents and participates in emergency response exercises. Prepares air samples, collects and analyzes air samples, and maintains sample logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify safety problems. Actively supports safety, security and environmental requirements, and complex federal, state and local laws and regulations. Work requires professional knowledge of physical science, health physics or environmentally related efforts.

**Physical I.** Plans, coordinates and conducts complex scientific assessments, studies and projects of environmental compliance, conservation, restoration and pollution prevention initiatives. Reviews and prepares environmental permits, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of wastewater, soil, water, sediment, solids, semi-solids, liquids and other regulated and non-regulated hazardous waste in accordance with applicable environmental, occupational safety and health regulations and laws. Performs determinations of characterization, identification, compatibility, nature and degree of hazards and ensure safe and effective mitigation measures are taken. Investigates the containment, clean-up and reporting of spills and releases. Prepares and label samples, delivers samples, coordinates chemical laboratory analysis and maintains logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify environmental problems. Evaluates adequacy of control and abatement measures and identifies and makes determinations of alternate mitigation and pollution prevention measures. Work requires professional knowledge of physical science or environmentally related efforts.

**Physicist I.** Plans, coordinates and conducts complex scientific assessments, studies and projects of system development initiatives. Reviews and prepares technical evaluations, plans, reports and related documentation. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates technical proposals, plans, reports and related documentation. Performs determinations of characterization, identification, compatibility, nature and degree of requirements to meet DoD mission. Investigates sensor technology, remote sensing, and sensor systems for current and near term (3-8 years) requirements. Provides professional scientific technical analysis and evaluations in support of Test and Evaluation for sensor, sensor systems, and electro-optics. Monitors projects and development to identify and provide options for technical problems. Evaluates adequacy of proposals, identifies, and makes determinations of alternate technical risk mitigation. Work requires professional knowledge of electromagnetic propagation, remote sensing, physics, optical systems and related efforts.

**Qualifications:**

1. Shall have a Bachelor's Degree in specialization or related scientific discipline. Specializations include Chemist, Health Physics, Physical, and Physicist.



## Scientist II

### Scientist II (Exempt)

#### Job Description

Performs test engineering and scientific services, special studies, and technical writing and other technical tasks as required. Tasks may include the research and development, design, planning, coordination, execution, and reporting on test programs of military equipment, commercial equipment, and other test items. A variety of technical and scientific support projects include applying instrumentation to test materiel and equipment, developing methods for data acquisition, acquiring and recording test data, imagery, analyzing data, repairing and troubleshooting instrumentation, preparing and setting up test ranges, aligning instrumentation and equipment, verifying adequacy and accuracy of work, preparing and writing reports, removing instrumentation, and related support to test programs. More specific requirements for chemist, health physics, physical and physicist positions follow.

**Chemist II.** Performs professional and scientific work on phases of long and short-range projects and investigations in the field of chemistry (primarily analytical). Utilizes professional knowledge and experience of chemical reactions and analysis to determine the appropriate analytical method or approach to the project. Performs assigned analytical investigations with responsibility for planning of the complete project assignment and the analysis and reporting of findings. Investigates problems, which are of such a degree of complexity that they cannot be resolved directly by an established analytical method. Conducts tests where multiple analyses must be determined in a difficult matrix. Must reduce data, validate findings by comparing with reference standards and formulate conclusions and recommendations. Conducts individual projects utilizing and adapting a wide array of analytical instrumentation to obtain and record repeatable and accurate measurement of target analysis. Characteristic of work processes are the following: conducts literature survey to determine extent of previous efforts; develops an approach, develops methods and techniques; validates methods and techniques; prepares and tests; analyzes; interprets; and evaluates data to make recommendations. This work can be in a laboratory setting or in a field environment. Prepares reports covering assigned analytical investigations. Presents data, site references, general observations made and resulting conclusions. Composes text of report in such a manner to indicate in appropriate detail the background of the problems, objectives of the investigations, significance or interpretation of results, recommendations and detailed description of procedures. Prepares the necessary correspondence in connection with inquires of related technical information. Instructs other employees in the more advanced phases of laboratory work and furnished technical advice in his field of specialization. Plans, coordinates and conducts complex scientific assessments, studies and projects related to mycology, biology, or chemistry. Reviews and prepares, test methods, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates samples of any matrix. Conducts chemical compatibility, fungus, and other related testing. Provides professional scientific technical support and evaluations in support of test projects. Work requires professional knowledge of physical science, biology or chemistry.

**Health Physics II.** Plans, coordinates and conducts complex scientific assessments, studies and projects of radiation protection, restoration and pollution prevention initiatives. Reviews and prepares radiation work permits, plans, survey reports, monthly operating reports and related documents. Plans, arranges, and manages data collection and review of sample analysis by in-house and external radiochemistry laboratories. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of soil, water, and sediment in accordance with applicable environmental, occupational safety and health regulations and laws. Performs risk assessments of radiation use and test operational procedures and recommends effective mitigation measures. Investigates incidents and accidents and participates in emergency response exercises. Prepares air samples, collects and analyzes air samples, and maintains sample logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify safety problems. Actively supports safety, security and environmental requirements, and complex federal, state and local laws and regulations. Work requires professional knowledge of physical science, health physics or environmentally related efforts.

**Physical II.** Plans, coordinates and conducts complex scientific assessments, studies and projects of environmental compliance, conservation, restoration and pollution prevention initiatives. Reviews and prepares environmental permits, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of wastewater, soil, water, sediment, solids, semi-solids, liquids and other regulated and non-regulated hazardous waste in accordance with applicable environmental, occupational safety and health regulations and laws. Performs determinations of characterization, identification, compatibility, nature and degree of hazards and ensure safe and effective mitigation measures are taken. Investigates the containment, clean-up and reporting of spills and releases. Prepares and label samples, delivers samples, coordinates chemical laboratory analysis and maintains logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify environmental problems. Evaluates adequacy of control and abatement measures and identifies and makes determinations of alternate mitigation and pollution prevention measures. Work requires professional knowledge of physical science or environmentally related efforts.

**Physicist II.** Plans, coordinates and conducts complex scientific assessments, studies and projects of system development initiatives. Reviews and prepares technical evaluations, plans, reports and related documentation. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates technical proposals, plans, reports and related documentation. Performs determinations of characterization, identification, compatibility, nature and degree of requirements to meet DoD mission. Investigates sensor technology, remote sensing, and sensor systems for current and near term (3-8 years) requirements. Provides professional scientific technical analysis and evaluations in support of Test and Evaluation for sensor, sensor systems, and electro-optics. Monitors projects and development to identify and provide options for technical problems. Evaluates adequacy of proposals, identifies, and makes determinations of alternate technical risk mitigation. Work requires professional knowledge of electromagnetic propagation, remote sensing, physics, optical systems and related efforts.

**Qualifications:**

1. Shall possess a Bachelor's Degree in specialization or related scientific discipline. Specializations include Chemist, Health Physics, Physical, and Physicist.
2. Must have 1 yr. applicable experience.

### Scientist III

#### Scientist III (Exempt)

#### Job Description

Performs test engineering and scientific services, special studies, and technical writing and other technical tasks as required. Tasks may include the research and development, design, planning, coordination, execution, and reporting on test programs of military equipment, commercial equipment, and other test items. A variety of technical and scientific support projects include applying instrumentation to test materiel and equipment, developing methods for data acquisition, acquiring and recording test data, imagery, analyzing data, repairing and troubleshooting instrumentation, preparing and setting up test ranges, aligning instrumentation and equipment, verifying adequacy and accuracy of work, preparing and writing reports, removing instrumentation, and related support to test programs. More specific requirements for chemist, health physics, physical and physicist positions follow.

**Chemist III.** Performs as an analytical specialist responsible for determining trace elements and compounds in a variety of sample matrices from or associated with the testing of military material using the following instruments: plasma and/or atomic spectrometry, Fourier Transform Infrared (FTIR) spectrometry, mass spectrometry, UV-Vis spectrometry, gas chromatography, High Performance Liquid Chromatography (HPLC), ion chromatography and wet chemical techniques. The samples are submitted by various sources within the organization. Responsible for analyzing the complex or unprecedented samples, which usually require method development or modification. Performs chemical and/or physical analyses and tests of samples to provide the information requested or solve a novel or unique problems presented. Determines the specific data needed and the best approach to take to obtain that data. Develops, adapts, and modifies the approaches, methods, and procedures. Performs the analysis or test, which can be a laboratory setting or field environment. Evaluates and interprets the results of such. Writes a report stating the results, interpretation, and conclusions. Writes operating procedures for the laboratory methods and procedures that have been developed or modified. Investigates and recommends potential new laboratory instrumentation and supplies. Prepares purchase specifications. Responsible to bring specified equipment on line for use in testing. Is responsible for the quality control program on his/her specialized instrument and analysis conducted. Provides technical chemical information to customers to include test plans, environmental documentation, etc. Plans, coordinates and conducts complex scientific assessments, studies and projects related to mycology, biology, or chemistry. Reviews and prepares, test methods, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates samples of any matrix. Conducts chemical compatibility, fungus, and other related testing. Provides professional scientific technical support and evaluations in support of test projects. Work requires professional knowledge of physical science, biology or chemistry.

**Health Physics III.** Plans, coordinates and conducts complex scientific assessments, studies and projects of radiation protection, restoration and pollution prevention initiatives. Reviews and prepares radiation work permits, plans, survey reports, monthly operating reports and related documents. Plans, arranges, and manages data collection and review of sample analysis by in-

house and external radiochemistry laboratories. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of soil, water, and sediment in accordance with applicable environmental, occupational safety and health regulations and laws. Performs risk assessments of radiation use and test operational procedures and recommends effective mitigation measures. Investigates incidents and accidents and participates in emergency response exercises. Prepares air samples, collects and analyzes air samples, and maintains sample logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify safety problems. Actively supports safety, security and environmental requirements, and complex federal, state and local laws and regulations. Work requires professional knowledge of physical science, health physics or environmentally related efforts.

**Physical III.** Plans, coordinates and conducts complex scientific assessments, studies and projects of environmental compliance, conservation, restoration and pollution prevention initiatives. Reviews and prepares environmental permits, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of wastewater, soil, water, sediment, solids, semi-solids, liquids and other regulated and non-regulated hazardous waste in accordance with applicable environmental, occupational safety and health regulations and laws. Performs determinations of characterization, identification, compatibility, nature and degree of hazards and ensure safe and effective mitigation measures are taken. Investigates the containment, clean-up and reporting of spills and releases. Prepares and label samples, delivers samples, coordinates chemical laboratory analysis and maintains logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify environmental problems. Evaluates adequacy of control and abatement measures and identifies and makes determinations of alternate mitigation and pollution prevention measures. Work requires professional knowledge of physical science or environmentally related efforts.

**Physicist III.** Plans, coordinates and conducts complex scientific assessments, studies and projects of system development initiatives. Reviews and prepares technical evaluations, plans, reports and related documentation. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates technical proposals, plans, reports and related documentation. Performs determinations of characterization, identification, compatibility, nature and degree of requirements to meet DoD mission. Investigates sensor technology, remote sensing, and sensor systems for current and near term (3-8 years) requirements. Provides professional scientific technical analysis and evaluations in support of Test and Evaluation for sensor, sensor systems, and electro-optics. Monitors projects and development to identify and provide options for technical problems. Evaluates adequacy of proposals, identifies, and makes determinations of alternate technical risk mitigation. Work requires professional knowledge of electromagnetic propagation, remote sensing, physics, optical systems and related efforts.

**Qualifications:**

1. Shall possess a Bachelor's Degree in specialization or related scientific discipline and 3 yr. applicable experience; or a Master's Degree in specialization or related scientific discipline and 1 yr. applicable experience. Specializations include Chemist, Health Physics, Physical, and Physicist.

## Scientist IV

<b>Scientist IV (Exempt)</b>
<b>Job Description</b>
<p>Performs test engineering and scientific services, special studies, and technical writing and other technical tasks as required. Tasks may include the research and development, design, planning, coordination, execution, and reporting on test programs of military equipment, commercial equipment, and other test items. A variety of technical and scientific support projects include applying instrumentation to test materiel and equipment, developing methods for data acquisition, acquiring and recording test data, imagery, analyzing data, repairing and troubleshooting instrumentation, preparing and setting up test ranges, aligning instrumentation and equipment, verifying adequacy and accuracy of work, preparing and writing reports, removing instrumentation, and related support to test programs. More specific requirements for chemist, health physics, physical and physicist positions follow.</p> <p><b><u>Chemist IV.</u></b> Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Responsible for overseeing the determining trace elements and compounds in a variety of sample matrices from or associated with the testing of military material using the following instruments: plasma and/or atomic spectrometry, infrared (FTIR) spectrometry, laser diode spectroscopy, mass spectrometry, UV-Vis spectrometry, gas chromatography, HPLC, ion chromatography and wet chemical techniques. The samples or projects are submitted by various sources within the organization. Responsible for analyzing the complex or unprecedented samples, which usually require method development or modification. Oversees chemical and or physical analyses and tests of samples to provide the information requested or solve a novel or unique problems presented. Determines the specific data needed and the best method or approach to take to obtain that data. Develops, adapts, and modifies the approaches, methods, and procedures. Oversees the analysis or test, which is novel or unique. Evaluates and interprets the results of such. Writes final report stating the results, interpretation, and conclusions based on data supplied by others. Writes operating procedures for the laboratory methods and procedures that have been developed or modified. Investigates and recommends potential new laboratory instrumentation and supplies. Responsible to oversee specified equipment is brought on line for use in testing. Responsible for the quality control program on his/her project or analysis. Plans, coordinates and conducts complex scientific assessments, studies and projects related to mycology, biology, or chemistry. Reviews and prepares, test methods, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates samples of any matrix. Conducts chemical compatibility, fungus, and other related testing. Provides professional scientific technical support and evaluations in support of test projects. Work requires professional knowledge of physical science, biology or chemistry</p> <p><b><u>Health Physics IV.</u></b> Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Plans, coordinates and conducts complex scientific assessments, studies and projects of radiation protection, restoration and pollution prevention initiatives. Reviews and prepares radiation work permits, plans, survey reports, monthly operating reports and related documents. Plans, arranges, and manages data collection and review of sample analysis by in-house and external radiochemistry laboratories. Reviews</p>

and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of soil, water, and sediment in accordance with applicable environmental, occupational safety and health regulations and laws. Performs risk assessments of radiation use and test operational procedures and recommends effective mitigation measures. Investigates incidents and accidents and participates in emergency response exercises. Prepares air samples, collects and analyzes air samples, and maintains sample logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify safety problems. Actively supports safety, security and environmental requirements, and complex federal, state and local laws and regulations. Work requires professional knowledge of physical science, health physics or environmentally related efforts.

**Physical IV.** Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Plans, coordinates and conducts complex scientific assessments, studies and projects of environmental compliance, conservation, restoration and pollution prevention initiatives. Reviews and prepares environmental permits, plans, reports and related documents. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates environmental sampling, surveys and inventories. Reviews and evaluates samples of wastewater, soil, water, sediment, solids, semi-solids, liquids and other regulated and non-regulated hazardous waste in accordance with applicable environmental, occupational safety and health regulations and laws. Performs determinations of characterization, identification, compatibility, nature and degree of hazards and ensure safe and effective mitigation measures are taken. Investigates the containment, clean-up and reporting of spills and releases. Prepares and label samples, delivers samples, coordinates chemical laboratory analysis and maintains logs. Provides professional scientific technical support and evaluations in support of projects. Monitors and inspects facilities and operations to identify and rectify environmental problems. Evaluates adequacy of control and abatement measures and identifies and makes determinations of alternate mitigation and pollution prevention measures. Work requires professional knowledge of physical science or environmentally related efforts.

**Physicist IV.** Serves as working leader and is considered an expert for providing technical guidance and information to meet requirements. Plans, coordinates and conducts complex scientific assessments, studies and projects of system development initiatives. Reviews and prepares technical evaluations, plans, reports and related documentation. Plans, arranges, and manages data collection and preliminary analysis work. Develops new information, considers data from a variety of sources, and modifies and originates approaches, methods, and procedures to plan and carry out assignments. Reviews and evaluates technical proposals, plans, reports and related documentation. Performs determinations of characterization, identification, compatibility, nature and degree of requirements to meet DoD mission. Investigates sensor technology, remote sensing, and sensor systems for current and near term (3-8 years) requirements. Provides professional scientific technical analysis and evaluations in support of Test and Evaluation for sensor, sensor systems, and electro-optics. Monitors projects and development to identify and provide options for technical problems. Evaluates adequacy of proposals, identifies, and makes determinations of alternate technical risk mitigation. Work requires professional knowledge of electromagnetic propagation, remote sensing, physics, optical systems and related efforts.

**Qualifications:**

1. Must possess a Bachelor's Degree in specialization or related scientific discipline and 5 yr. applicable experience; or a Master's Degree in specialization or related scientific discipline

- and 3 yr. applicable experience; or a Doctorate Degree in specialization or related scientific discipline and 1 yr. applicable experience.
2. Must have 3 yr. experience leading/supervising.

**Scientist V**

<b>Scientist V (Exempt)</b>
<b>Job Description</b>
<p>Serves as a supervisor for lower level personnel. Responsible for management of assigned personnel to include overseeing assignment of work to include the following: sets priorities; assigns work to subordinates; evaluates the performance of subordinates; gives advice, counsels, or instructs individual employees on both work and administrative matters; identifies developmental and training needs of employees; ensures hours are entered in the timekeeping system daily and accurately; participates in the hiring process to meet contract requirements by assisting in resume screening, interviews, selection of qualified candidates and providing technical orientation; provides technical direction over subordinate personnel; provides instructions to personnel relating to their function with respect to the particular test project; reviews data for completeness, accuracy and validity; analyzes data; discusses difficult technical problems presented by subordinate working leaders; coordinates safety meetings; establishes protective equipment requirements; maintains availability of equipment; identifies health-screening requirements; verifies certifications and security clearances prior to making assignments, etc.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must possess a Bachelor's Degree in specialization or related scientific discipline and 7 yr. applicable experience; or a Master's Degree in specialization or related scientific discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related scientific discipline and 3 yr. applicable experience.</li> <li>2. Must have 5 yr. experience leading/supervising.</li> </ol>

**Sign Maker**

<b>Sign Maker (2424 CBA)</b>
<b>Job Description</b>
<p>Responsible for operating a computerized sign making machine to produce signs, logos, insignia, badges, and plaques, in order to design and color signs/logos, including surface preparation. Normally works alone and must determine the steps required in order to complete the project using standard trade practices, determines layout, balance, spacing and colors, identifies and corrects defects before release.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must have 4 yr. applicable experience or completion of formal training and 2 yr. applicable experience.</li> <li>2. Shall possess a license to operate forklift(s) and other required support equipment.</li> <li>3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.</li> </ol>

## Small Craft Operator

<b>Small Craft Operator (2424 CBA)</b>
<b>Job Description</b>
<p>Serves as Captain of a patrol boat with the responsibility of patrolling the restricted waters of APG to ensure water safety for the general public and commercial fisherman prior-to, during, and after firing programs. Serves as Captain of the Landing Craft Mechanized (LCM-8) landing craft or self-propelled barge to transport personnel and heavy equipment to worksites. Directs the activities of a mate assigned to the boat/LCM. Maintains watercraft in a clean, safe and seaworthy condition by cleaning, painting, and caulking fiberglass. Changing and/or replacing oil, oil filters, impellers, pumps, wheels, shafts, rudder ports and struts. Serves and remains qualified as an operator for all other mission essential small craft in order to support ATC Range Operations. Responsible for routine maintenance and upkeep of the ATC boat dock, boat facilities and mission essential equipment.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 3 yr. experience operating 30 ft or larger boats and maintaining watercraft to include: painting, caulking, fiberglass work, changing oil, oil filters, impellers, pumps, wheels, shafts, rudder ports, and struts.</li><li>2. Shall possess a valid U.S. Coast Guard Inland Waterways License for Operating Vessels less than 100 tons United States Coast Guard (USCG) Radar Endorsement for Inland Operation of Watercraft.</li></ol>

## Specialist I

<b>Specialist I (Exempt)</b>
<b>Job Description</b>
<p><b>Specialist – Data I</b></p> <p>Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for accomplishing the detailed planning and execution of the assignment independently, referring only the more difficult or unusual problems encountered to the supervisor, usually with recommendations for resolution. Reports or similar documents are subject to close review for technical adequacy and accuracy and for conformance with organizational analytical procedures and practices. Plans and executes data analyses by evaluating alternative methods of approach, selecting and applying the most appropriate method, correctly analyzing and interpreting findings, and preparing reports, graphs, tables, or other descriptive documents. Assignments may involve a variety of subject matter applications and analytical methods. The work requires a good knowledge of: the principles, theories and methods of probability and statistics; the use, modification, and adaptation of standard mathematical methods and procedures; knowledge of programming languages (FORTRAN and C are desirable), operating systems (Windows, UNIX, DOS), and commercial data and word processing software (for example, Microsoft Excel and Word). The ability to apply this knowledge in specialized subject-matter areas is required. Usually, assignments require the acquisition and use of practical knowledge in specialized subject-matter areas.</p> <p><u>Qualifications:</u></p>



1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Desired to have at least 24 credit hours in mathematics, statistics, scientific fields, scientific programming languages (such as FORTRAN or C), technical writing, or computer science.

### **Specialist – Environmental I**

Responsible for planning, coordinating and conducting environmental conservation, restoration, compliance and pollution prevention projects of a complex and non-routine nature requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of environmental principles, techniques and practices and environmental programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of environmental programs for areas engaged in diverse high risk operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local regulatory requirements into project design, implementation and evaluation. Identifies environmental abatement projects needed. Develops project plans, outlines environmental procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in environmental regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with environmental laws and regulations. Ensures monitoring and sampling equipment is accurately calibrated and functioning properly. Takes samples and accumulates information and material required for laboratory analysis. Analyzes and interprets laboratory reports to determine the presence of hazardous environmental conditions and the degree of noncompliance with regulatory guidance. Prepares applications for required permits and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications and cost estimates for a variety of projects in support of the environmental programs. Responsible for ensuring preparation of documentation (e.g., environmental assessments, air conformity determinations) on facility, construction and test projects. Coordinates and advises spill response team actions and/or abatement team activities. Organizes, schedules, and administers supporting functions of appropriate meeting for discussion of environmental issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Works issues pertaining to environmental compliance and remediation actions. Develops and conducts various environmental training. Participates in meetings regarding environmental concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

#### Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Minimum of 1 personnel shall possess Asbestos and Lead Abatement certifications.
4. Shall possess hazardous waste generator annual training certificate.

1. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

### **Specialist – Explosive Safety I**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Develops Explosive Safety Documents IAW DA Pam 385-64 and DOD-STD 6055.9. Ensures that appropriate design factors (e.g., construction, industrial hygiene, explosives safety quantity distance, flow of material/personnel, regulations) are considered. Prepares hazard analyses when deemed necessary. Periodically reviews explosives safety site plans/safety submissions/licenses for coordination by other APG organizations to assess impact potential upon facilities/operations. Performs field surveys when necessary to investigate and determine the condition of existing structures and determine whether original and safe design criteria are being met. Uses Job Hazard Analyses (JHA) methodologies or techniques (examples: fault tree analysis, failure mode and effects analysis, hazard and operability study, what/if checklist, others identified in the latest version of MIL-STD-882 or DA Pam 385-30) that will identify potential hazards associated with testing or other support operations. Verifies that all hazards and recommendations identified in JHAs are incorporated into Risk Assessments or SOPs. Responds to special data calls such as, but not limited to: (1) QD blast computations for placement of temperature conditioning units in support of firing programs, (2) QD blast computations for the placement of personnel bombproofs in support of firing programs. Reviews and/or assists in development of engineering design plans for new construction and/or major repair and modification plans. Ensures adequate incorporation of safety, fire protection, human factors, and design factors affecting occupational health provisions in accordance with existing standards, regulations, laws, and other sound safety engineering principles and practices. Ensures that any repairs/modifications to existing facilities do not deter from the safety principles of the original design. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Provides technical analysis support for investigations requiring engineering analyses of structural, equipment, or operational workflow. Works with government technical personnel on the design and adaptation of local field equipment for remote or unmanned operations. Develops and provides training on a variety of safety-related topics.

#### Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Facilities I**

Responsible for planning, coordinating and conducting Facilities projects (e.g., infrastructure planning, upgrades, modifications, alterations, construction, real property inventory, etc.) requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of Facilities principles, techniques and practices and Facilities programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of Facilities programs for areas engaged in diverse operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local requirements into

project design, implementation and evaluation. Identifies Facilities projects needed. Develops project plans, outlines Facilities procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in Facilities regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Leads and/or participates in audit teams to conduct inspections of facilities and operations to ensure compliance with Facilities regulations and requirements. Analyzes and interprets data to determine the presence of Facilities conditions and the degree of noncompliance with regulatory guidance. Prepares surveys and inspection documents for required programs and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications, and cost estimates for a variety of projects in support of the Facilities programs. Responsible for ensuring preparation of documentation (e.g., Facilities assessments, surveys, and determinations on projects). Organizes schedules and administers supporting functions of appropriate meetings for discussion of Facilities issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Coordinates issues pertaining to Facilities compliance and corrective actions. Develops and conducts various Facilities training. Participates in meetings regarding Facilities concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.

**Specialist – Industrial Hygienist I**

Recognizes, assesses, and recommends controls for environmental factors or stresses in the workplace which may cause sickness or impaired health of personnel. Selects appropriate methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts work site visits, surveillance, and inspections to identify and validate engineering controls, administrative controls, and personal protective equipment requirements, to ensure employees are protected from recognized hazards. Ensures that safety and health hazards associated with airborne contaminants, chemicals, noise, indoor air quality, vector-borne disease, ergonomics, and other industrial hygiene issues are identified and sufficiently mitigated. Conducts industrial hygiene-related promotional activities that encourage employee involvement in the Safety and Occupational Health Program.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Occupational Safety I**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts facilities inspections, field surveys and safety assessments of operations; supports identification and abatement of hazards; reviews construction safety; conducts accident investigation and analysis; develops safety policy and procedures; supports inspections of explosives facilities and development of explosive safety criteria ensuring that appropriate design factors (e.g., construction, industrial hygiene, quantity distance, flow of material/personnel, regulations) are considered. Performs office and industrial evaluations, including ergonomic evaluations. Makes on-the-spot adjustments; writes evaluation reports; and justifies cost-effective equipment/supplies. Coordinates training, ensures equipment is maintained and justifies the purchase of new emergency equipment for programs such as First Aid, Cardiopulmonary Resuscitation (CPR), and automated external defibrillator (AED). Collects, researches and/or writes articles to improve the overall safety and health of the ATC workforce (and their families). Supports outreach and knowledge management efforts of the Safety Office. Participates in the planning and execution of all Safety Office initiatives. Conducts or assists with monthly safety briefings on various topics to a wide variety of audiences. Perform building, pre-command, and employee concern inspections/reviews and assists teams in editing and developing Job Safety Analysis (JSAs), JHAs, and SOPs. Works closely with Industrial Hygiene and Facilities on indoor air quality issues/concerns; assists with evaluations; and acts as the liaison to remedy the situation. Administers safety compliance programs, including the respirator program, to include fit-testing and training.

#### Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Program I**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists in planning, coordinating, arranging, managing and conducting data collection. Serves as an advisor on all aspects of the assigned program areas. Compiles new information, considers data from a variety of sources, and follows standard approaches, methods, and procedures to plan and carry out assignments. Reviews, conducts and evaluates routine sampling, surveys, inventories, data and findings. Monitors operations to identify and rectify problems. Evaluates adequacy of controls and corrective measures and identifies and make recommendations to higher level employee on determinations of alternate measures. Prepares, coordinates and/or reviews the preparation of portions of written plans, schedules and milestones for accomplishing goals. Organizes, schedules and assists in administering supporting functions of appropriate meeting for discussion of issues. Proposes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Reviews and prepares portions of plans, forms, procedures, reports and related documents. Coordinates issues pertaining to project compliance, schedule and corrective actions. Assists in developing and conducting various training. Participates in meetings regarding concerns related to the assigned projects. Performs collection and assists in compilation of technical and programmatic data from a variety of

sources. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments. Evaluates, selects, adapts and modifies standard techniques and criteria. Performs scheduling, coordination and execution of the test. Monitors budgets, safety requirements and ensures quality is met.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.

**Specialist – Public Affairs I**

Provides technical, coordination, public affairs, outreach and marketing support for drafting materials and documents which may include review of literature, all papers and presentations prepared for outside audiences and may require discussion with test center/other government, commercial and academic experts, and analysis of ongoing efforts in various test center functional areas. Prepares or solicits and edits papers, articles, briefings, speeches prepared by others and takes/provides news related photographs with captions for release to targeted media and will ensure the ATC message is consistent with command priorities. Clears all proposed public disclosures, new releases, media requests through the ATC Security Manager, Office of the ATC Commander, and affected customers through the responsible test officer prior to release. Interfaces with the DTC Public Affairs Office staff, counterparts at the GAPG and in tenant organizations. Plans for and personally participates in community events designed to inform the public, enhance relations, and promote ATC. Attends meetings to discuss activities and products of the public affairs office. Develops, updates and implements the ATC Communications plan and strategies in coordination with the command's functional elements and the ATC Strategic Plan. Updates the strategy to address stakeholder and command concerns. The focus of the strategy shall be on reaching a target audience with a message through the appropriate medium, or media, to reach that group and to provide meaningful marketing, public outreach and public involvement activities to include tours, presentations, internet communications, public meetings, and other events or activities. Specific tasks include but are not limited to the following: Information Products (research, write, develop and prepare a "smart book" for the Public Affairs Office and commander that is a compendium of organizational materials, policies, instruction documents, and command information papers or fact sheets which address outreach, community relations or media relations materials which may include range sustainability issues); Track Public Opinion/Comment (track public opinion through the media and from public comment and shall analyze public outreach issues and concerns on an ongoing basis); Media Monitoring (proactively capture all of the news clips relating to the ATC program); and, World Wide Web Site (maintain, research and review existing world-wide web communications, provide guidance, and keep abreast of web trends and enhance existing or design/develop new web pages as required for ATC marketing and outreach programs).

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.

**Specialist – Quality I**

Provides support for a quality management system to include, but is not limited to: analyzing procedures, flowcharting processes, providing textual backup to flow charts, coordinating documentation where procedures overlap, and communicating documented procedures to affected parties. Provides support for the development, deployment, and registering a quality

management system. Analyzes procedures to determine the existing gap between the requirements of the quality standard and the current status of formal and informal ATC procedures that are followed in the performance of specific test operations. Develops flow charts (process maps) of assigned processes, including sequential action blocks, decision points, hand-off points, and legend, which result in a graphic description of specific processes. Provides textual backup of flow chart to ensure accurate understanding of the process flow. Analyzes flow chart data to identify overlapping procedures, prepares recommendations and coordinates for the elimination of non-value added steps, or to validate the need to retain redundancies. Provides support in the preparation of documentation that describes specific procedures to the extent that an apprentice technician will obtain a clear understanding of the task with minimal questions. Communicates the documented procedure to affected parties.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.

**Specialist – Radiation Safety/Health Physicist I**

Conducts radiation permit inspections and prepares reports identifying deficiencies. Develops and conducts radiation safety briefings or training for the workforce. Conducts radiological surveys to include airborne radiation concentration calculations, dose rate, and removable contamination evaluations. Selects proper survey instruments for the desired survey. Conducts analysis of samples using instrumentation available in the radiological laboratory. Collects environmental samples to support the Environmental Radiological Monitoring Program. Supports X-Ray Operations by performing dose rate surveys and using knowledge of regulatory and SOP compliance requirements. Supports Depleted Uranium (DU) Operations with identifying and implementing contamination control requirements and ability to implement safeguards. Supports Radioactive Commodities Inventories by tracking inventory and performing leak tests and/or complying with storage requirements. Support to Radioactive Waste Management and Transportation Operations by performing necessary surveys and ensuring compliance with all requirements of the waste program. Supports Moisture Density Gauge use by performing leak tests, surveys, and enforcing proper storage requirements. Assists in the implementation of internal and external dosimetry programs including bioassay.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Security I**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists Government Security personnel in planning, coordinating and conducting Security projects (e.g., physical, information, security education, etc). Such work requires professional knowledge of Security principles, techniques and practices and Security programs and issues. Under the guidance of Government Security Specialists, develops, coordinates, and implements limited projects in support of Security programs for areas. Responsible for the following: prepares written plans, schedules and milestones for accomplishing goals; identifies Security projects needed; develops of project plans, outlining procedures and issues, and identifying long and short term goals and objectives;

coordinates resources through a Government Security Specialist throughout completion of project; incorporates federal, state and local requirements into project design, implementation and evaluation; analyzing and assisting in interpreting data and reports to determine the degree of noncompliance with guidance; gathers data and prepares portions of reports and ensures their currency in accordance with pertinent regulations; coordinates and schedules supported functions of appropriate meeting for discussion of Security issues; prepares portions of agenda topics, tracks resulting action items, coordinates development of presentations, and ensures coordination; coordinates issues pertaining to compliance and corrective actions; develops and conducts various Security training and on- line training modules, etc. Assists Security Specialists with team security compliance visits and inspections. Prepares portions of plans, specifications and cost estimates for a variety of projects in support of the Security programs. Any deviations from military regulations or normal operating procedures must be pre-approved by a Government Security Specialists

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.

**Specialist – Special Access Program (SAP) Technician I**

Provide administrative support to SAP by complying with requirements in Department of Defense Manual 5205.07 Volumes I-IV (SAP Security Manuals), AR 380-381, DoD Joint SAP Implementation Guide, SAP and local Internal Operation Plan.

Provides support for planning, coordinating and conducting Security projects for SAP and collateral programs. Specifically conducts facility inspections, execute monthly alarm checks, maintain document accountability, develop, coordinate, and implement projects in support of Security programs for all programs and special access facilities and areas.

Maintains compliance in special access by overseeing daily facility operation and area access, execute document and procedural information control in special access facilities. Has day-to-day responsibility for material access, handling, control dissemination of special access documents and materials. Opens all security containers, manage area access and conduct review and end-of-day material accountability and document daily facility closure and alarm activation. Maintains special access holdings, ensures that material is marked in accordance with regulation and program guide, brings media under program control, controls access to media and documents media access from entry until destruction. Oversees and/or executes destruction of special access material maintaining a listing of material destroyed.

Coordinates and documents all visits to special access facilities with program Chief, tracks and verifies access authorizations and coordinate visits from declaration to completion. Completes access reviews and personnel security clearance actions for special access coordinating these actions with ATC Personnel Security Specialist. Prepares and submits nomination packets for access and maintain access roster listing of all persons indoctrinated for special access and monitor individual access status monthly. Provides 60-days notification to individuals for periodic reinvestigation submission providing guides and support materials; coordinates all personnel security actions with government personnel security specialists.

Submits special access visit requests required to support program coordination and test review. Supports all visits from announcement, to request, through execution. When an ATC SAPF is the visit location, provides on-site security assistance and information control for all program personnel, supports all program activities and coordinate with test officer and range officer all program action on the test range.

Controls access to SAP Facility (SAPF) and to SAP material stored in SAPF. Ensures that SAP material is appropriately marked and stored inside the SAPF. Coordinate with Test Officer and Security to schedule and execute holding destruction at least quarterly. Coordinates, receives and packages, and maintains receipts for SAP material dissemination to and from program offices.

Oversees opening and closing of special access facilities, conducts monthly alarm checks of special access facilities, and works with Security Chief and Physical Security Specialist to complete annual physical security review of special access facilities. Acts as the SAPF Document Custodian; maintains media control log, SF 700 (Security Container Combination), SF 701 (Daily Security Activity Checklist) and SF 702 (Security Container Checklist).

Coordinates access to, and provides support for, weekly information assurance updates and accreditation reviews of special access information systems.

Supports preparation and presentation of special access annual training, maintains record of training completion and maintains official individual employee record of training.

Clears nominated subjects for indoctrination, submits program access requests to program security officer and, after receiving program approval, completes indoctrination and makes update and corrective actions to program access roster. Conducts employee debrief from special access and maintains record of debriefing.

Assists the Range Officer in maintaining high security key control accountability for program areas. Details and implements daily facility check and supports Security in the conduct of conduct monthly alarm check for program facilities. Support Security Officer in the conduct of semi-annual physical security reviews of SAPFs.

Provides Security Chief and program Chief with notification of incident and support incident review, reporting and correction.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall obtain and maintain a TOP SECRET (TS) clearance with a current Tier 5 investigation prior to starting duties. May also be required to undergo a Polygraph Examination.

**Specialist – Systems Safety I**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Reviews product systems, associated test support equipment, and facilities, functional specifications and operations, establishes safety requirements for assigned tests and assists in development of Safety Releases. Reviews applicable upcoming test procedures, Human Research Protection Program documents, Safety Releases, Safety Assessment Reports, 1045R forms, Safety Confirmation reports, SOPs, TOPs, IOPs, JHAs , RAs, Test manuals, Test Plans/procedures, and any other test related documents. Participates in Hazard Analysis Working Group meetings, providing input to the Test Officer regarding conduct of the test. Conducts Initial Safety Inspections on new test items to look for design flaws and reports findings to the Test Officer. Prepares and provides examples of applicable JHAs, RAs, 1045R forms, Recommendations for Safety Releases or Confirmations, and memos for development of RAs. Prepares safety documents such as risk assessments, failure modes



effects, hazard, safety and reliability/maintainability analysis and predictions to comply with customer and contractual safety and mission assurance specifications for compliance. Analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards. Visits test sites to ensure test officers are following the approved risk assessment. Interview personnel for potential system design flaws or failures. Participates in accident investigations and assists in the identification of causes and corrective actions. Develops policy. Understands and applies Army System Safety process. Independently analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline or have 2 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist II**

<b>Specialist II (Exempt)</b>
<b>Job Description</b>
<p><b>Specialist – Data II</b></p> <p>Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for accomplishing the detailed planning and execution of the assignment independently, referring only the more difficult or unusual problems encountered to the supervisor, usually with recommendations for resolution. Reports or similar documents are subject to close review for technical adequacy and accuracy and for conformance with organizational analytical procedures and practices. Plans and executes data analyses by evaluating alternative methods of approach, selecting and applying the most appropriate method, correctly analyzing and interpreting findings, and preparing reports, graphs, tables, or other descriptive documents. Assignments may involve a variety of subject matter applications and analytical methods. The work requires a good knowledge of: the principles, theories and methods of probability and statistics; the use, modification, and adaptation of standard mathematical methods and procedures; knowledge of programming languages (FORTRAN and C are desirable), operating systems (Windows, UNIX, DOS), and commercial data and word processing software (for example, Microsoft Excel and Word). The ability to apply this knowledge in specialized subject-matter areas is required. Usually, assignments require the acquisition and use of practical knowledge in specialized subject-matter areas.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.</li> <li>2. Desired to have at least 24 credit hours in mathematics, statistics, scientific fields, scientific programming languages (such as FORTRAN or C), technical writing, or computer science.</li> </ol>
<p><b>Specialist – Environmental II</b></p> <p>Responsible for planning, coordinating and conducting environmental conservation, restoration, compliance and pollution prevention projects of a complex and non-routine nature requiring</p>

substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of environmental principles, techniques and practices and environmental programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of environmental programs for areas engaged in diverse high risk operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local regulatory requirements into project design, implementation and evaluation. Identifies environmental abatement projects needed. Develops project plans, outlines environmental procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in environmental regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with environmental laws and regulations. Ensures monitoring and sampling equipment is accurately calibrated and functioning properly. Takes samples and accumulates information and material required for laboratory analysis. Analyzes and interprets laboratory reports to determine the presence of hazardous environmental conditions and the degree of noncompliance with regulatory guidance. Prepares applications for required permits and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications and cost estimates for a variety of projects in support of the environmental programs. Responsible for ensuring preparation of documentation (e.g., environmental assessments, air conformity determinations) on facility, construction and test projects. Coordinates and advises spill response team actions and/or abatement team activities. Organizes, schedules, and administers supporting functions of appropriate meeting for discussion of environmental issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Works issues pertaining to environmental compliance and remediation actions. Develops and conducts various environmental training. Participates in meetings regarding environmental concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Minimum of 1 personnel shall possess Asbestos and Lead Abatement certifications.
4. Shall possess hazardous waste generator annual training certificate.
5. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Specialist – Explosive Safety II**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Develops Explosive Safety Documents IAW DA Pam 385-64 and DOD-STD 6055.9. Ensures that appropriate design factors (e.g., construction, industrial hygiene,

explosives safety quantity distance, flow of material/personnel, regulations) are considered. Prepares hazard analyses when deemed necessary. Periodically reviews explosives safety site plans/safety submissions/licenses for coordination by other APG organizations to assess impact potential upon facilities/operations. Performs field surveys when necessary to investigate and determine the condition of existing structures and determine whether original and safe design criteria are being met. Uses Job Hazard Analyses (JHA) methodologies or techniques (examples: fault tree analysis, failure mode and effects analysis, hazard and operability study, what/if checklist, others identified in the latest version of MIL-STD-882 or DA Pam 385-30) that will identify potential hazards associated with testing or other support operations. Verifies that all hazards and recommendations identified in JHAs are incorporated into Risk Assessments or SOPs. Responds to special data calls such as, but not limited to: (1) QD blast computations for placement of temperature conditioning units in support of firing programs, (2) QD blast computations for the placement of personnel bombproofs in support of firing programs. Reviews and/or assists in development of engineering design plans for new construction and/or major repair and modification plans. Ensures adequate incorporation of safety, fire protection, human factors, and design factors affecting occupational health provisions in accordance with existing standards, regulations, laws, and other sound safety engineering principles and practices. Ensures that any repairs/modifications to existing facilities do not deter from the safety principles of the original design. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Provides technical analysis support for investigations requiring engineering analyses of structural, equipment, or operational workflow. Works with government technical personnel on the design and adaptation of local field equipment for remote or unmanned operations. Develops and provides training on a variety of safety-related topics.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Facilities II**

Responsible for planning, coordinating and conducting Facilities projects (e.g., infrastructure planning, upgrades, modifications, alterations, construction, real property inventory, etc.) requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of Facilities principles, techniques and practices and Facilities programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of Facilities programs for areas engaged in diverse operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local requirements into project design, implementation and evaluation. Identifies Facilities projects needed. Develops project plans, outlines Facilities procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in Facilities regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Leads and/or participates in audit teams to conduct inspections of facilities and operations to ensure compliance with Facilities regulations and requirements. Analyzes and interprets data to determine the presence of Facilities conditions and the degree of noncompliance with regulatory guidance. Prepares surveys and inspection documents for required programs and ensures their currency in accordance with pertinent

regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications, and cost estimates for a variety of projects in support of the Facilities programs. Responsible for ensuring preparation of documentation (e.g., Facilities assessments, surveys, and determinations on projects). Organizes schedules and administers supporting functions of appropriate meetings for discussion of Facilities issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Coordinates issues pertaining to Facilities compliance and corrective actions. Develops and conducts various Facilities training. Participates in meetings regarding Facilities concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.

**Specialist – Industrial Hygienist II**

Recognizes, assesses, and recommends controls for environmental factors or stresses in the workplace which may cause sickness or impaired health of personnel. Selects appropriate methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts work site visits, surveillance, and inspections to identify and validate engineering controls, administrative controls, and personal protective equipment requirements, to ensure employees are protected from recognized hazards. Ensures that safety and health hazards associated with airborne contaminants, chemicals, noise, indoor air quality, vector-borne disease, ergonomics, and other industrial hygiene issues are identified and sufficiently mitigated. Conducts industrial hygiene-related promotional activities that encourage employee involvement in the Safety and Occupational Health Program.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Occupational Safety II**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts facilities inspections, field surveys and safety assessments of operations; supports identification and abatement of hazards; reviews construction safety; conducts accident investigation and analysis; develops safety policy and procedures; supports inspections of explosives facilities and development of explosive safety criteria ensuring that appropriate design factors (e.g., construction, industrial hygiene, quantity distance, flow of material/personnel, regulations) are considered. Performs office and industrial evaluations,

including ergonomic evaluations. Makes on-the-spot adjustments; writes evaluation reports; and justifies cost-effective equipment/supplies. Coordinates training, ensures equipment is maintained and justifies the purchase of new emergency equipment for programs such as First Aid, Cardiopulmonary Resuscitation (CPR), and automated external defibrillator (AED). Collects, researches and/or writes articles to improve the overall safety and health of the ATC workforce (and their families). Supports outreach and knowledge management efforts of the Safety Office. Participates in the planning and execution of all Safety Office initiatives. Conducts or assists with monthly safety briefings on various topics to a wide variety of audiences. Perform building, pre-command, and employee concern inspections/reviews and assists teams in editing and developing Job Safety Analysis (JSAs), JHAs, and SOPs. Works closely with Industrial Hygiene and Facilities on indoor air quality issues/concerns; assists with evaluations; and acts as the liaison to remedy the situation. Administers safety compliance programs, including the respirator program, to include fit-testing and training.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Program II**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists in planning, coordinating, arranging, managing and conducting data collection. Serves as an advisor on all aspects of the assigned program areas. Compiles new information, considers data from a variety of sources, and follows standard approaches, methods, and procedures to plan and carry out assignments. Reviews, conducts and evaluates routine sampling, surveys, inventories, data and findings. Monitors operations to identify and rectify problems. Evaluates adequacy of controls and corrective measures and identifies and make recommendations to higher level employee on determinations of alternate measures. Prepares, coordinates and/or reviews the preparation of portions of written plans, schedules and milestones for accomplishing goals. Organizes, schedules and assists in administering supporting functions of appropriate meeting for discussion of issues. Proposes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Reviews and prepares portions of plans, forms, procedures, reports and related documents. Coordinates issues pertaining to project compliance, schedule and corrective actions. Assists in developing and conducting various training. Participates in meetings regarding concerns related to the assigned projects. Performs collection and assists in compilation of technical and programmatic data from a variety of sources. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments. Evaluates, selects, adapts and modifies standard techniques and criteria. Performs scheduling, coordination and execution of the test. Monitors budgets, safety requirements and ensures quality is met.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.

### **Specialist – Public Affairs II**

Provides technical, coordination, public affairs, outreach and marketing support for drafting materials and documents which may include review of literature, all papers and presentations prepared for outside audiences and may require discussion with test center/other government, commercial and academic experts, and analysis of ongoing efforts in various test center functional areas. Prepares or solicits and edits papers, articles, briefings, speeches prepared by others and takes/provides news related photographs with captions for release to targeted media and will ensure the ATC message is consistent with command priorities. Clears all proposed public disclosures, new releases, media requests through the ATC Security Manager, Office of the ATC Commander, and affected customers through the responsible test officer prior to release. Interfaces with the DTC Public Affairs Office staff, counterparts at the GAPG and in tenant organizations. Plans for and personally participates in community events designed to inform the public, enhance relations, and promote ATC. Attends meetings to discuss activities and products of the public affairs office. Develops, updates and implements the ATC Communications plan and strategies in coordination with the command's functional elements and the ATC Strategic Plan. Updates the strategy to address stakeholder and command concerns. The focus of the strategy shall be on reaching a target audience with a message through the appropriate medium, or media, to reach that group and to provide meaningful marketing, public outreach and public involvement activities to include tours, presentations, internet communications, public meetings, and other events or activities. Specific tasks include but are not limited to the following: Information Products (research, write, develop and prepare a "smart book" for the Public Affairs Office and commander that is a compendium of organizational materials, policies, instruction documents, and command information papers or fact sheets which address outreach, community relations or media relations materials which may include range sustainability issues); Track Public Opinion/Comment (track public opinion through the media and from public comment and shall analyze public outreach issues and concerns on an ongoing basis); Media Monitoring (proactively capture all of the news clips relating to the ATC program); and, World Wide Web Site (maintain, research and review existing world-wide web communications, provide guidance, and keep abreast of web trends and enhance existing or design/develop new web pages as required for ATC marketing and outreach programs).

#### Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.

### **Specialist – Quality II**

Provides support for a quality management system to include, but is not limited to: analyzing procedures, flowcharting processes, providing textual backup to flow charts, coordinating documentation where procedures overlap, and communicating documented procedures to affected parties. Provides support for the development, deployment, and registering a quality management system. Analyzes procedures to determine the existing gap between the requirements of the quality standard and the current status of formal and informal ATC procedures that are followed in the performance of specific test operations. Develops flow charts (process maps) of assigned processes, including sequential action blocks, decision points, hand-off points, and legend, which result in a graphic description of specific processes. Provides textual backup of flow chart to ensure accurate understanding of the process flow. Analyzes flow chart data to identify overlapping procedures, prepares recommendations and coordinates for the elimination of non-value added steps, or to validate the need to retain redundancies. Provides support in the preparation of documentation that describes specific procedures to the extent that an apprentice

technician will obtain a clear understanding of the task with minimal questions. Communicates the documented procedure to affected parties.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.

**Specialist – Radiation Safety/Health Physicist II**

Conducts radiation permit inspections and prepares reports identifying deficiencies. Develops and conducts radiation safety briefings or training for the workforce. Conducts radiological surveys to include airborne radiation concentration calculations, dose rate, and removable contamination evaluations. Selects proper survey instruments for the desired survey. Conducts analysis of samples using instrumentation available in the radiological laboratory. Collects environmental samples to support the Environmental Radiological Monitoring Program. Supports X-Ray Operations by performing dose rate surveys and using knowledge of regulatory and SOP compliance requirements. Supports Depleted Uranium (DU) Operations with identifying and implementing contamination control requirements and ability to implement safeguards. Supports Radioactive Commodities Inventories by tracking inventory and performing leak tests and/or complying with storage requirements. Support to Radioactive Waste Management and Transportation Operations by performing necessary surveys and ensuring compliance with all requirements of the waste program. Supports Moisture Density Gauge use by performing leak tests, surveys, and enforcing proper storage requirements. Assists in the implementation of internal and external dosimetry programs including bioassay.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Security II**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists Government Security personnel in planning, coordinating and conducting Security projects (e.g., physical, information, security education, etc). Such work requires professional knowledge of Security principles, techniques and practices and Security programs and issues. Under the guidance of Government Security Specialists, develops, coordinates, and implements limited projects in support of Security programs for areas. Responsible for the following: prepares written plans, schedules and milestones for accomplishing goals; identifies Security projects needed; develops of project plans, outlining procedures and issues, and identifying long and short term goals and objectives; coordinates resources through a Government Security Specialist throughout completion of project; incorporates federal, state and local requirements into project design, implementation and evaluation; analyzing and assisting in interpreting data and reports to determine the degree of noncompliance with guidance; gathers data and prepares portions of reports and ensures their currency in accordance with pertinent regulations; coordinates and schedules supported functions of appropriate meeting for discussion of Security issues; prepares portions of agenda topics, tracks resulting action items, coordinates development of presentations, and ensures coordination; coordinates issues pertaining to compliance and corrective actions; develops and conducts various Security training and on- line training modules, etc. Assists Security Specialists with team security compliance visits and inspections. Prepares portions of plans, specifications

and cost estimates for a variety of projects in support of the Security programs. Any deviations from military regulations or normal operating procedures must be pre-approved by a Government Security Specialists

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.

**Specialist – Special Access Program (SAP) Technician II**

Provide administrative support to SAP by complying with requirements in Department of Defense Manual 5205.07 Volumes I-IV (SAP Security Manuals), AR 380-381, DoD Joint SAP Implementation Guide, SAP and local Internal Operation Plan.

Provides support for planning, coordinating and conducting Security projects for SAP and collateral programs. Specifically conducts facility inspections, execute monthly alarm checks, maintain document accountability, develop, coordinate, and implement projects in support of Security programs for all programs and special access facilities and areas.

Maintains compliance in special access by overseeing daily facility operation and area access, execute document and procedural information control in special access facilities. Has day-to-day responsibility for material access, handling, control dissemination of special access documents and materials. Opens all security containers, manage area access and conduct review and end-of-day material accountability and document daily facility closure and alarm activation. Maintains special access holdings, ensures that material is marked in accordance with regulation and program guide, brings media under program control, controls access to media and documents media access from entry until destruction. Oversees and/or executes destruction of special access material maintaining a listing of material destroyed.

Coordinates and documents all visits to special access facilities with program Chief, tracks and verifies access authorizations and coordinate visits from declaration to completion. Completes access reviews and personnel security clearance actions for special access coordinating these actions with ATC Personnel Security Specialist. Prepares and submits nomination packets for access and maintain access roster listing of all persons indoctrinated for special access and monitor individual access status monthly. Provides 60-days notification to individuals for periodic reinvestigation submission providing guides and support materials; coordinates all personnel security actions with government personnel security specialists.

Submits special access visit requests required to support program coordination and test review. Supports all visits from announcement, to request, through execution. When an ATC SAPF is the visit location, provides on-site security assistance and information control for all program personnel, supports all program activities and coordinate with test officer and range officer all program action on the test range.

Controls access to SAP Facility (SAPF) and to SAP material stored in SAPF. Ensures that SAP material is appropriately marked and stored inside the SAPF. Coordinate with Test Officer and Security to schedule and execute holding destruction at least quarterly. Coordinates, receives and packages, and maintains receipts for SAP material dissemination to and from program offices.

Oversees opening and closing of special access facilities, conducts monthly alarm checks of special access facilities, and works with Security Chief and Physical Security Specialist to complete annual physical security review of special access facilities. Acts as the SAPF



Document Custodian; maintains media control log, SF 700 (Security Container Combination), SF 701 (Daily Security Activity Checklist) and SF 702 (Security Container Checklist).

Coordinates access to, and provides support for, weekly information assurance updates and accreditation reviews of special access information systems.

Supports preparation and presentation of special access annual training, maintains record of training completion and maintains official individual employee record of training.

Clears nominated subjects for indoctrination, submits program access requests to program security officer and, after receiving program approval, completes indoctrination and makes update and corrective actions to program access roster. Conducts employee debrief from special access and maintains record of debriefing.

Assists the Range Officer in maintaining high security key control accountability for program areas. Details and implements daily facility check and supports Security in the conduct of conduct monthly alarm check for program facilities. Support Security Officer in the conduct of semi-annual physical security reviews of SAPFs.

Provides Security Chief and program Chief with notification of incident and support incident review, reporting and correction.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall obtain and maintain a TOP SECRET (TS) clearance with a current Tier 5 investigation prior to starting duties. May also be required to undergo a Polygraph Examination.

**Specialist – Systems Safety II**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Reviews product systems, associated test support equipment, and facilities, functional specifications and operations, establishes safety requirements for assigned tests and assists in development of Safety Releases. Reviews applicable upcoming test procedures, Human Research Protection Program documents, Safety Releases, Safety Assessment Reports, 1045R forms, Safety Confirmation reports, SOPs, TOPs, IOPs, JHAs , RAs, Test manuals, Test Plans/procedures, and any other test related documents. Participates in Hazard Analysis Working Group meetings, providing input to the Test Officer regarding conduct of the test. Conducts Initial Safety Inspections on new test items to look for design flaws and reports findings to the Test Officer. Prepares and provides examples of applicable JHAs, RAs, 1045R forms, Recommendations for Safety Releases or Confirmations, and memos for development of RAs. Prepares safety documents such as risk assessments, failure modes effects, hazard, safety and reliability/maintainability analysis and predictions to comply with customer and contractual safety and mission assurance specifications for compliance. Analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards. Visits test sites to ensure test officers are following the approved risk assessment. Interview personnel for potential system design flaws or failures. Participates in accident investigations and assists in the identification of causes and corrective actions. Develops policy. Understands and applies Army System Safety process. Independently analyzes and

recommends safety criteria in test planning, and proposes methods to control or eliminate hazards.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 1 yr. applicable experience or have 3 to 5 yr. applicable experience in related discipline.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

### Specialist III

#### Specialist III (Exempt)

#### Job Description

##### Specialist – Data III

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for accomplishing the detailed planning and execution of the assignment independently, referring only the more difficult or unusual problems encountered to the supervisor, usually with recommendations for resolution. Reports or similar documents are subject to close review for technical adequacy and accuracy and for conformance with organizational analytical procedures and practices. Plans and executes data analyses by evaluating alternative methods of approach, selecting and applying the most appropriate method, correctly analyzing and interpreting findings, and preparing reports, graphs, tables, or other descriptive documents. Assignments may involve a variety of subject matter applications and analytical methods. The work requires a good knowledge of: the principles, theories and methods of probability and statistics; the use, modification, and adaptation of standard mathematical methods and procedures; knowledge of programming languages (FORTRAN and C are desirable), operating systems (Windows, UNIX, DOS), and commercial data and word processing software (for example, Microsoft Excel and Word). The ability to apply this knowledge in specialized subject-matter areas is required. Usually, assignments require the acquisition and use of practical knowledge in specialized subject-matter areas.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Desired to have at least 24 credit hours in mathematics, statistics, scientific fields, scientific programming languages (such as FORTRAN or C), technical writing, or computer science.

##### Specialist – Environmental III

Responsible for planning, coordinating and conducting environmental conservation, restoration, compliance and pollution prevention projects of a complex and non-routine nature requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of environmental principles, techniques and practices and environmental programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of environmental programs for areas engaged in diverse high risk operations and functions.

Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local regulatory requirements into project design, implementation and evaluation. Identifies environmental abatement projects needed. Develops project plans, outlines environmental procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in environmental regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with environmental laws and regulations. Ensures monitoring and sampling equipment is accurately calibrated and functioning properly. Takes samples and accumulates information and material required for laboratory analysis. Analyzes and interprets laboratory reports to determine the presence of hazardous environmental conditions and the degree of noncompliance with regulatory guidance. Prepares applications for required permits and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications and cost estimates for a variety of projects in support of the environmental programs. Responsible for ensuring preparation of documentation (e.g., environmental assessments, air conformity determinations) on facility, construction and test projects. Coordinates and advises spill response team actions and/or abatement team activities. Organizes, schedules, and administers supporting functions of appropriate meeting for discussion of environmental issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Works issues pertaining to environmental compliance and remediation actions. Develops and conducts various environmental training. Participates in meetings regarding environmental concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Minimum of 1 personnel shall possess Asbestos and Lead Abatement certifications.
4. Shall possess hazardous waste generator annual training certificate.
5. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Specialist – Explosive Safety III**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Develops Explosive Safety Documents IAW DA Pam 385-64 and DOD-STD 6055.9. Ensures that appropriate design factors (e.g., construction, industrial hygiene, explosives safety quantity distance, flow of material/personnel, regulations) are considered. Prepares hazard analyses when deemed necessary. Periodically reviews explosives safety site plans/safety submissions/licenses for coordination by other APG organizations to assess impact potential upon facilities/operations. Performs field surveys when necessary to investigate and determine the condition of existing structures and determine whether original and safe design

criteria are being met. Uses Job Hazard Analyses (JHA) methodologies or techniques (examples: fault tree analysis, failure mode and effects analysis, hazard and operability study, what/if checklist, others identified in the latest version of MIL-STD-882 or DA Pam 385-30) that will identify potential hazards associated with testing or other support operations. Verifies that all hazards and recommendations identified in JHAs are incorporated into Risk Assessments or SOPs. Responds to special data calls such as, but not limited to: (1) QD blast computations for placement of temperature conditioning units in support of firing programs, (2) QD blast computations for the placement of personnel bombproofs in support of firing programs. Reviews and/or assists in development of engineering design plans for new construction and/or major repair and modification plans. Ensures adequate incorporation of safety, fire protection, human factors, and design factors affecting occupational health provisions in accordance with existing standards, regulations, laws, and other sound safety engineering principles and practices. Ensures that any repairs/modifications to existing facilities do not deter from the safety principles of the original design. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Provides technical analysis support for investigations requiring engineering analyses of structural, equipment, or operational workflow. Works with government technical personnel on the design and adaptation of local field equipment for remote or unmanned operations. Develops and provides training on a variety of safety-related topics.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Facilities III**

Responsible for planning, coordinating and conducting Facilities projects (e.g., infrastructure planning, upgrades, modifications, alterations, construction, real property inventory, etc.) requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of Facilities principles, techniques and practices and Facilities programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of Facilities programs for areas engaged in diverse operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local requirements into project design, implementation and evaluation. Identifies Facilities projects needed. Develops project plans, outlines Facilities procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in Facilities regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Leads and/or participates in audit teams to conduct inspections of facilities and operations to ensure compliance with Facilities regulations and requirements. Analyzes and interprets data to determine the presence of Facilities conditions and the degree of noncompliance with regulatory guidance. Prepares surveys and inspection documents for required programs and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications, and cost estimates for a variety of projects in support of the Facilities programs. Responsible for ensuring preparation of documentation (e.g., Facilities assessments, surveys, and determinations on

projects). Organizes schedules and administers supporting functions of appropriate meetings for discussion of Facilities issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Coordinates issues pertaining to Facilities compliance and corrective actions. Develops and conducts various Facilities training. Participates in meetings regarding Facilities concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.

**Specialist – Industrial Hygienist III**

Recognizes, assesses, and recommends controls for environmental factors or stresses in the workplace which may cause sickness or impaired health of personnel. Selects appropriate methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts work site visits, surveillance, and inspections to identify and validate engineering controls, administrative controls, and personal protective equipment requirements, to ensure employees are protected from recognized hazards. Ensures that safety and health hazards associated with airborne contaminants, chemicals, noise, indoor air quality, vector-borne disease, ergonomics, and other industrial hygiene issues are identified and sufficiently mitigated. Conducts industrial hygiene-related promotional activities that encourage employee involvement in the Safety and Occupational Health Program.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Occupational Safety III**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts facilities inspections, field surveys and safety assessments of operations; supports identification and abatement of hazards; reviews construction safety; conducts accident investigation and analysis; develops safety policy and procedures; supports inspections of explosives facilities and development of explosive safety criteria ensuring that appropriate design factors (e.g., construction, industrial hygiene, quantity distance, flow of material/personnel, regulations) are considered. Performs office and industrial evaluations, including ergonomic evaluations. Makes on-the-spot adjustments; writes evaluation reports; and justifies cost-effective equipment/supplies. Coordinates training, ensures equipment is

maintained and justifies the purchase of new emergency equipment for programs such as First Aid, Cardiopulmonary Resuscitation (CPR), and automated external defibrillator (AED). Collects, researches and/or writes articles to improve the overall safety and health of the ATC workforce (and their families). Supports outreach and knowledge management efforts of the Safety Office. Participates in the planning and execution of all Safety Office initiatives. Conducts or assists with monthly safety briefings on various topics to a wide variety of audiences. Perform building, pre-command, and employee concern inspections/reviews and assists teams in editing and developing Job Safety Analysis (JSAs), JHAs, and SOPs. Works closely with Industrial Hygiene and Facilities on indoor air quality issues/concerns; assists with evaluations; and acts as the liaison to remedy the situation. Administers safety compliance programs, including the respirator program, to include fit-testing and training.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Program III**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists in planning, coordinating, arranging, managing and conducting data collection. Serves as an advisor on all aspects of the assigned program areas. Compiles new information, considers data from a variety of sources, and follows standard approaches, methods, and procedures to plan and carry out assignments. Reviews, conducts and evaluates routine sampling, surveys, inventories, data and findings. Monitors operations to identify and rectify problems. Evaluates adequacy of controls and corrective measures and identifies and make recommendations to higher level employee on determinations of alternate measures. Prepares, coordinates and/or reviews the preparation of portions of written plans, schedules and milestones for accomplishing goals. Organizes, schedules and assists in administering supporting functions of appropriate meeting for discussion of issues. Proposes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Reviews and prepares portions of plans, forms, procedures, reports and related documents. Coordinates issues pertaining to project compliance, schedule and corrective actions. Assists in developing and conducting various training. Participates in meetings regarding concerns related to the assigned projects. Performs collection and assists in compilation of technical and programmatic data from a variety of sources. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments. Evaluates, selects, adapts and modifies standard techniques and criteria. Performs scheduling, coordination and execution of the test. Monitors budgets, safety requirements and ensures quality is met.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.

### **Specialist – Public Affairs III**

Provides technical, coordination, public affairs, outreach and marketing support for drafting materials and documents which may include review of literature, all papers and presentations prepared for outside audiences and may require discussion with test center/other government, commercial and academic experts, and analysis of ongoing efforts in various test center functional areas. Prepares or solicits and edits papers, articles, briefings, speeches prepared by others and takes/provides news related photographs with captions for release to targeted media and will ensure the ATC message is consistent with command priorities. Clears all proposed public disclosures, new releases, media requests through the ATC Security Manager, Office of the ATC Commander, and affected customers through the responsible test officer prior to release. Interfaces with the DTC Public Affairs Office staff, counterparts at the GAPG and in tenant organizations. Plans for and personally participates in community events designed to inform the public, enhance relations, and promote ATC. Attends meetings to discuss activities and products of the public affairs office. Develops, updates and implements the ATC Communications plan and strategies in coordination with the command's functional elements and the ATC Strategic Plan. Updates the strategy to address stakeholder and command concerns. The focus of the strategy shall be on reaching a target audience with a message through the appropriate medium, or media, to reach that group and to provide meaningful marketing, public outreach and public involvement activities to include tours, presentations, internet communications, public meetings, and other events or activities. Specific tasks include but are not limited to the following: Information Products (research, write, develop and prepare a "smart book" for the Public Affairs Office and commander that is a compendium of organizational materials, policies, instruction documents, and command information papers or fact sheets which address outreach, community relations or media relations materials which may include range sustainability issues); Track Public Opinion/Comment (track public opinion through the media and from public comment and shall analyze public outreach issues and concerns on an ongoing basis); Media Monitoring (proactively capture all of the news clips relating to the ATC program); and, World Wide Web Site (maintain, research and review existing world-wide web communications, provide guidance, and keep abreast of web trends and enhance existing or design/develop new web pages as required for ATC marketing and outreach programs).

#### Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.

### **Specialist – Quality III**

Provides support for a quality management system to include, but is not limited to: analyzing procedures, flowcharting processes, providing textual backup to flow charts, coordinating documentation where procedures overlap, and communicating documented procedures to affected parties. Provides support for the development, deployment, and registering a quality management system. Analyzes procedures to determine the existing gap between the requirements of the quality standard and the current status of formal and informal ATC procedures that are followed in the performance of specific test operations. Develops flow charts (process maps) of assigned processes, including sequential action blocks, decision points, hand-off points, and legend, which result in a graphic description of specific processes. Provides textual backup of flow chart to ensure accurate understanding of the process flow. Analyzes flow chart data to identify overlapping procedures, prepares recommendations and coordinates for the elimination of non-value added steps, or to validate the need to retain redundancies. Provides support in the preparation of documentation that describes specific procedures to the extent that an apprentice

technician will obtain a clear understanding of the task with minimal questions. Communicates the documented procedure to affected parties.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.

**Specialist – Radiation Safety/Health Physicist III**

Conducts radiation permit inspections and prepares reports identifying deficiencies. Develops and conducts radiation safety briefings or training for the workforce. Conducts radiological surveys to include airborne radiation concentration calculations, dose rate, and removable contamination evaluations. Selects proper survey instruments for the desired survey. Conducts analysis of samples using instrumentation available in the radiological laboratory. Collects environmental samples to support the Environmental Radiological Monitoring Program. Supports X-Ray Operations by performing dose rate surveys and using knowledge of regulatory and SOP compliance requirements. Supports Depleted Uranium (DU) Operations with identifying and implementing contamination control requirements and ability to implement safeguards. Supports Radioactive Commodities Inventories by tracking inventory and performing leak tests and/or complying with storage requirements. Support to Radioactive Waste Management and Transportation Operations by performing necessary surveys and ensuring compliance with all requirements of the waste program. Supports Moisture Density Gauge use by performing leak tests, surveys, and enforcing proper storage requirements. Assists in the implementation of internal and external dosimetry programs including bioassay.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist – Security III**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists Government Security personnel in planning, coordinating and conducting Security projects (e.g., physical, information, security education, etc). Such work requires professional knowledge of Security principles, techniques and practices and Security programs and issues. Under the guidance of Government Security Specialists, develops, coordinates, and implements limited projects in support of Security programs for areas. Responsible for the following: prepares written plans, schedules and milestones for accomplishing goals; identifies Security projects needed; develops of project plans, outlining procedures and issues, and identifying long and short term goals and objectives; coordinates resources through a Government Security Specialist throughout completion of project; incorporates federal, state and local requirements into project design, implementation and evaluation; analyzing and assisting in interpreting data and reports to determine the degree of noncompliance with guidance; gathers data and prepares portions of reports and ensures their currency in accordance with pertinent regulations; coordinates and schedules supported functions of appropriate meeting for discussion of Security issues; prepares portions of agenda topics, tracks resulting action items, coordinates development of presentations, and ensures



coordination; coordinates issues pertaining to compliance and corrective actions; develops and conducts various Security training and on-line training modules, etc. Assists Security Specialists with team security compliance visits and inspections. Prepares portions of plans, specifications and cost estimates for a variety of projects in support of the Security programs. Any deviations from military regulations or normal operating procedures must be pre-approved by a Government Security Specialists

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.

**Specialist – Special Access Program (SAP) Technician III**

Provide administrative support to SAP by complying with requirements in Department of Defense Manual 5205.07 Volumes I-IV (SAP Security Manuals), AR 380-381, DoD Joint SAP Implementation Guide, SAP and local Internal Operation Plan.

Provides support for planning, coordinating and conducting Security projects for SAP and collateral programs. Specifically conducts facility inspections, execute monthly alarm checks, maintain document accountability, develop, coordinate, and implement projects in support of Security programs for all programs and special access facilities and areas.

Maintains compliance in special access by overseeing daily facility operation and area access, execute document and procedural information control in special access facilities. Has day-to-day responsibility for material access, handling, control dissemination of special access documents and materials. Opens all security containers, manage area access and conduct review and end-of-day material accountability and document daily facility closure and alarm activation. Maintains special access holdings, ensures that material is marked in accordance with regulation and program guide, brings media under program control, controls access to media and documents media access from entry until destruction. Oversees and/or executes destruction of special access material maintaining a listing of material destroyed.

Coordinates and documents all visits to special access facilities with program Chief, tracks and verifies access authorizations and coordinate visits from declaration to completion. Completes access reviews and personnel security clearance actions for special access coordinating these actions with ATC Personnel Security Specialist. Prepares and submits nomination packets for access and maintain access roster listing of all persons indoctrinated for special access and monitor individual access status monthly. Provides 60-days notification to individuals for periodic reinvestigation submission providing guides and support materials; coordinates all personnel security actions with government personnel security specialists.

Submits special access visit requests required to support program coordination and test review. Supports all visits from announcement, to request, through execution. When an ATC SAPF is the visit location, provides on-site security assistance and information control for all program personnel, supports all program activities and coordinate with test officer and range officer all program action on the test range.

Controls access to SAP Facility (SAPF) and to SAP material stored in SAPF. Ensures that SAP material is appropriately marked and stored inside the SAPF. Coordinate with Test Officer and Security to schedule and execute holding destruction at least quarterly. Coordinates, receives and packages, and maintains receipts for SAP material dissemination to and from program offices.

Oversees opening and closing of special access facilities, conducts monthly alarm checks of special access facilities, and works with Security Chief and Physical Security Specialist to complete annual physical security review of special access facilities. Acts as the SAPF Document Custodian; maintains media control log, SF 700 (Security Container Combination), SF 701 (Daily Security Activity Checklist) and SF 702 (Security Container Checklist).

Coordinates access to, and provides support for, weekly information assurance updates and accreditation reviews of special access information systems.

Supports preparation and presentation of special access annual training, maintains record of training completion and maintains official individual employee record of training.

Clears nominated subjects for indoctrination, submits program access requests to program security officer and, after receiving program approval, completes indoctrination and makes update and corrective actions to program access roster. Conducts employee debrief from special access and maintains record of debriefing.

Assists the Range Officer in maintaining high security key control accountability for program areas. Details and implements daily facility check and supports Security in the conduct of conduct monthly alarm check for program facilities. Support Security Officer in the conduct of semi-annual physical security reviews of SAPFs.

Provides Security Chief and program Chief with notification of incident and support incident review, reporting and correction.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall obtain and maintain a TOP SECRET (TS) clearance with a current Tier 5 investigation prior to starting duties. May also be required to undergo a Polygraph Examination.

**Specialist – Systems Safety III**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Reviews product systems, associated test support equipment, and facilities, functional specifications and operations, establishes safety requirements for assigned tests and assists in development of Safety Releases. Reviews applicable upcoming test procedures, Human Research Protection Program documents, Safety Releases, Safety Assessment Reports, 1045R forms, Safety Confirmation reports, SOPs, TOPs, IOPs, JHAs , RAs, Test manuals, Test Plans/procedures, and any other test related documents. Participates in Hazard Analysis Working Group meetings, providing input to the Test Officer regarding conduct of the test. Conducts Initial Safety Inspections on new test items to look for design flaws and reports findings to the Test Officer. Prepares and provides examples of applicable JHAs, RAs, 1045R forms, Recommendations for Safety Releases or Confirmations, and memos for development of RAs. Prepares safety documents such as risk assessments, failure modes effects, hazard, safety and reliability/maintainability analysis and predictions to comply with customer and contractual safety and mission assurance specifications for compliance. Analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards. Visits test sites to ensure test officers are following the approved risk assessment. Interview personnel for potential system design flaws or failures. Participates in accident

investigations and assists in the identification of causes and corrective actions. Develops policy. Understands and applies Army System Safety process. Independently analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards.

Qualifications:

1. Must possess a Bachelor's Degree in specialization or related discipline and 3 yr. applicable experience or have 5 to 7 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 1 yr. applicable experience.
2. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
3. Shall possess hazardous waste generator annual training certificate.

**Specialist IV**

**Specialist IV (Exempt)**

**Job Description**

**Specialist – Data IV**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for accomplishing the detailed planning and execution of the assignment independently, referring only the more difficult or unusual problems encountered to the supervisor, usually with recommendations for resolution. Reports or similar documents are subject to close review for technical adequacy and accuracy and for conformance with organizational analytical procedures and practices. Plans and executes data analyses by evaluating alternative methods of approach, selecting and applying the most appropriate method, correctly analyzing and interpreting findings, and preparing reports, graphs, tables, or other descriptive documents. Assignments may involve a variety of subject matter applications and analytical methods. The work requires a good knowledge of: the principles, theories and methods of probability and statistics; the use, modification, and adaptation of standard mathematical methods and procedures; knowledge of programming languages (FORTRAN and C are desirable), operating systems (Windows, UNIX, DOS), and commercial data and word processing software (for example, Microsoft Excel and Word). The ability to apply this knowledge in specialized subject-matter areas is required. Usually, assignments require the acquisition and use of practical knowledge in specialized subject-matter areas.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Desired to have at least 24 credit hours in mathematics, statistics, scientific fields, scientific programming languages (such as FORTRAN or C), technical writing, or computer science.

**Specialist – Environmental IV**

Responsible for planning, coordinating and conducting environmental conservation, restoration, compliance and pollution prevention projects of a complex and non-routine nature requiring substantive adaptation and modification of approaches, methods and procedures. Such work

requires professional knowledge of environmental principles, techniques and practices and environmental programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of environmental programs for areas engaged in diverse high risk operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local regulatory requirements into project design, implementation and evaluation. Identifies environmental abatement projects needed. Develops project plans, outlines environmental procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in environmental regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with environmental laws and regulations. Ensures monitoring and sampling equipment is accurately calibrated and functioning properly. Takes samples and accumulates information and material required for laboratory analysis. Analyzes and interprets laboratory reports to determine the presence of hazardous environmental conditions and the degree of noncompliance with regulatory guidance. Prepares applications for required permits and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications and cost estimates for a variety of projects in support of the environmental programs. Responsible for ensuring preparation of documentation (e.g., environmental assessments, air conformity determinations) on facility, construction and test projects. Coordinates and advises spill response team actions and/or abatement team activities. Organizes, schedules, and administers supporting functions of appropriate meeting for discussion of environmental issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Works issues pertaining to environmental compliance and remediation actions. Develops and conducts various environmental training. Participates in meetings regarding environmental concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Minimum of 1 personnel shall possess Asbestos and Lead Abatement certifications.
5. Shall possess hazardous waste generator annual training certificate.
6. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Specialist – Explosive Safety IV**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical

procedures and practices. Develops Explosive Safety Documents IAW DA Pam 385-64 and DOD-STD 6055.9. Ensures that appropriate design factors (e.g., construction, industrial hygiene, explosives safety quantity distance, flow of material/personnel, regulations) are considered. Prepares hazard analyses when deemed necessary. Periodically reviews explosives safety site plans/safety submissions/licenses for coordination by other APG organizations to assess impact potential upon facilities/operations. Performs field surveys when necessary to investigate and determine the condition of existing structures and determine whether original and safe design criteria are being met. Uses Job Hazard Analyses (JHA) methodologies or techniques (examples: fault tree analysis, failure mode and effects analysis, hazard and operability study, what/if checklist, others identified in the latest version of MIL-STD-882 or DA Pam 385-30) that will identify potential hazards associated with testing or other support operations. Verifies that all hazards and recommendations identified in JHAs are incorporated into Risk Assessments or SOPs. Responds to special data calls such as, but not limited to: (1) QD blast computations for placement of temperature conditioning units in support of firing programs, (2) QD blast computations for the placement of personnel bombproofs in support of firing programs. Reviews and/or assists in development of engineering design plans for new construction and/or major repair and modification plans. Ensures adequate incorporation of safety, fire protection, human factors, and design factors affecting occupational health provisions in accordance with existing standards, regulations, laws, and other sound safety engineering principles and practices. Ensures that any repairs/modifications to existing facilities do not deter from the safety principles of the original design. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Provides technical analysis support for investigations requiring engineering analyses of structural, equipment, or operational workflow. Works with government technical personnel on the design and adaptation of local field equipment for remote or unmanned operations. Develops and provides training on a variety of safety-related topics.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Specialist – Facilities IV**

Responsible for planning, coordinating and conducting Facilities projects (e.g., infrastructure planning, upgrades, modifications, alterations, construction, real property inventory, etc.) requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of Facilities principles, techniques and practices and Facilities programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of Facilities programs for areas engaged in diverse operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local requirements into project design, implementation and evaluation. Identifies Facilities projects needed. Develops project plans, outlines Facilities procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in Facilities regulatory personnel visits and inspections. Prepares reports and follows up on findings of

noncompliance and notices of violations. Leads and/or participates in audit teams to conduct inspections of facilities and operations to ensure compliance with Facilities regulations and requirements. Analyzes and interprets data to determine the presence of Facilities conditions and the degree of noncompliance with regulatory guidance. Prepares surveys and inspection documents for required programs and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications, and cost estimates for a variety of projects in support of the Facilities programs. Responsible for ensuring preparation of documentation (e.g., Facilities assessments, surveys, and determinations on projects). Organizes schedules and administers supporting functions of appropriate meetings for discussion of Facilities issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Coordinates issues pertaining to Facilities compliance and corrective actions. Develops and conducts various Facilities training. Participates in meetings regarding Facilities concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.

**Specialist – Industrial Hygienist IV**

Recognizes, assesses, and recommends controls for environmental factors or stresses in the workplace which may cause sickness or impaired health of personnel. Selects appropriate methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts work site visits, surveillance, and inspections to identify and validate engineering controls, administrative controls, and personal protective equipment requirements, to ensure employees are protected from recognized hazards. Ensures that safety and health hazards associated with airborne contaminants, chemicals, noise, indoor air quality, vector-borne disease, ergonomics, and other industrial hygiene issues are identified and sufficiently mitigated. Conducts industrial hygiene-related promotional activities that encourage employee involvement in the Safety and Occupational Health Program.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Occupational Safety IV**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts facilities inspections, field surveys and safety assessments of operations; supports identification and abatement of hazards; reviews construction safety; conducts accident investigation and analysis; develops safety policy and procedures; supports inspections of explosives facilities and development of explosive safety criteria ensuring that appropriate design factors (e.g., construction, industrial hygiene, quantity distance, flow of material/personnel, regulations) are considered. Performs office and industrial evaluations, including ergonomic evaluations. Makes on-the-spot adjustments; writes evaluation reports; and justifies cost-effective equipment/supplies. Coordinates training, ensures equipment is maintained and justifies the purchase of new emergency equipment for programs such as First Aid, Cardiopulmonary Resuscitation (CPR), and automated external defibrillator (AED). Collects, researches and/or writes articles to improve the overall safety and health of the ATC workforce (and their families). Supports outreach and knowledge management efforts of the Safety Office. Participates in the planning and execution of all Safety Office initiatives. Conducts or assists with monthly safety briefings on various topics to a wide variety of audiences. Perform building, pre-command, and employee concern inspections/reviews and assists teams in editing and developing Job Safety Analysis (JSAs), JHAs, and SOPs. Works closely with Industrial Hygiene and Facilities on indoor air quality issues/concerns; assists with evaluations; and acts as the liaison to remedy the situation. Administers safety compliance programs, including the respirator program, to include fit-testing and training.

#### Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Program IV**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists in planning, coordinating, arranging, managing and conducting data collection. Serves as an advisor on all aspects of the assigned program areas. Compiles new information, considers data from a variety of sources, and follows standard approaches, methods, and procedures to plan and carry out assignments. Reviews, conducts and evaluates routine sampling, surveys, inventories, data and findings. Monitors operations to identify and rectify problems. Evaluates adequacy of controls and corrective measures and identifies and make recommendations to higher level employee on determinations of alternate measures. Prepares, coordinates and/or reviews the preparation of portions of written plans, schedules and milestones for accomplishing goals. Organizes, schedules and assists in administering supporting functions of appropriate meeting for discussion of issues. Proposes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Reviews and prepares portions of plans, forms, procedures, reports and related documents. Coordinates issues pertaining to project

compliance, schedule and corrective actions. Assists in developing and conducting various training. Participates in meetings regarding concerns related to the assigned projects. Performs collection and assists in compilation of technical and programmatic data from a variety of sources. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments. Evaluates, selects, adapts and modifies standard techniques and criteria. Performs scheduling, coordination and execution of the test. Monitors budgets, safety requirements and ensures quality is met.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.

**Specialist – Public Affairs IV**

Provides technical, coordination, public affairs, outreach and marketing support for drafting materials and documents which may include review of literature, all papers and presentations prepared for outside audiences and may require discussion with test center/other government, commercial and academic experts, and analysis of ongoing efforts in various test center functional areas. Prepares or solicits and edits papers, articles, briefings, speeches prepared by others and takes/provides news related photographs with captions for release to targeted media and will ensure the ATC message is consistent with command priorities. Clears all proposed public disclosures, new releases, media requests through the ATC Security Manager, Office of the ATC Commander, and affected customers through the responsible test officer prior to release. Interfaces with the DTC Public Affairs Office staff, counterparts at the GAPG and in tenant organizations. Plans for and personally participates in community events designed to inform the public, enhance relations, and promote ATC. Attends meetings to discuss activities and products of the public affairs office. Develops, updates and implements the ATC Communications plan and strategies in coordination with the command's functional elements and the ATC Strategic Plan. Updates the strategy to address stakeholder and command concerns. The focus of the strategy shall be on reaching a target audience with a message through the appropriate medium, or media, to reach that group and to provide meaningful marketing, public outreach and public involvement activities to include tours, presentations, internet communications, public meetings, and other events or activities. Specific tasks include but are not limited to the following: Information Products (research, write, develop and prepare a "smart book" for the Public Affairs Office and commander that is a compendium of organizational materials, policies, instruction documents, and command information papers or fact sheets which address outreach, community relations or media relations materials which may include range sustainability issues); Track Public Opinion/Comment (track public opinion through the media and from public comment and shall analyze public outreach issues and concerns on an ongoing basis); Media Monitoring (proactively capture all of the news clips relating to the ATC program); and, World Wide Web Site (maintain, research and review existing world-wide web communications, provide guidance, and keep abreast of web trends and enhance existing or design/develop new web pages as required for ATC marketing and outreach programs).

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in



- specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.

#### **Specialist – Quality IV**

Provides support for a quality management system to include, but is not limited to: analyzing procedures, flowcharting processes, providing textual backup to flow charts, coordinating documentation where procedures overlap, and communicating documented procedures to affected parties. Provides support for the development, deployment, and registering a quality management system. Analyzes procedures to determine the existing gap between the requirements of the quality standard and the current status of formal and informal ATC procedures that are followed in the performance of specific test operations. Develops flow charts (process maps) of assigned processes, including sequential action blocks, decision points, hand-off points, and legend, which result in a graphic description of specific processes. Provides textual backup of flow chart to ensure accurate understanding of the process flow. Analyzes flow chart data to identify overlapping procedures, prepares recommendations and coordinates for the elimination of non-value added steps, or to validate the need to retain redundancies. Provides support in the preparation of documentation that describes specific procedures to the extent that an apprentice technician will obtain a clear understanding of the task with minimal questions. Communicates the documented procedure to affected parties.

#### Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.

#### **Specialist – Radiation Safety/Health Physicist IV**

Conducts radiation permit inspections and prepares reports identifying deficiencies. Develops and conducts radiation safety briefings or training for the workforce. Conducts radiological surveys to include airborne radiation concentration calculations, dose rate, and removable contamination evaluations. Selects proper survey instruments for the desired survey. Conducts analysis of samples using instrumentation available in the radiological laboratory. Collects environmental samples to support the Environmental Radiological Monitoring Program. Supports X-Ray Operations by performing dose rate surveys and using knowledge of regulatory and SOP compliance requirements. Supports Depleted Uranium (DU) Operations with identifying and implementing contamination control requirements and ability to implement safeguards. Supports Radioactive Commodities Inventories by tracking inventory and performing leak tests and/or complying with storage requirements. Support to Radioactive Waste Management and Transportation Operations by performing necessary surveys and ensuring compliance with all requirements of the waste program. Supports Moisture Density Gauge use by performing leak tests, surveys, and enforcing proper storage requirements. Assists in the implementation of internal and external dosimetry programs including bioassay.

#### Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.

2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Specialist – Security IV**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists Government Security personnel in planning, coordinating and conducting Security projects (e.g., physical, information, security education, etc). Such work requires professional knowledge of Security principles, techniques and practices and Security programs and issues. Under the guidance of Government Security Specialists, develops, coordinates, and implements limited projects in support of Security programs for areas. Responsible for the following: prepares written plans, schedules and milestones for accomplishing goals; identifies Security projects needed; develops of project plans, outlining procedures and issues, and identifying long and short term goals and objectives; coordinates resources through a Government Security Specialist throughout completion of project; incorporates federal, state and local requirements into project design, implementation and evaluation; analyzing and assisting in interpreting data and reports to determine the degree of noncompliance with guidance; gathers data and prepares portions of reports and ensures their currency in accordance with pertinent regulations; coordinates and schedules supported functions of appropriate meeting for discussion of Security issues; prepares portions of agenda topics, tracks resulting action items, coordinates development of presentations, and ensures coordination; coordinates issues pertaining to compliance and corrective actions; develops and conducts various Security training and on- line training modules, etc. Assists Security Specialists with team security compliance visits and inspections. Prepares portions of plans, specifications and cost estimates for a variety of projects in support of the Security programs. Any deviations from military regulations or normal operating procedures must be pre-approved by a Government Security Specialists

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.

**Specialist – Special Access Program (SAP) Technician IV**

Provide administrative support to SAP by complying with requirements in Department of Defense Manual 5205.07 Volumes I-IV (SAP Security Manuals), AR 380-381, DoD Joint SAP Implementation Guide, SAP and local Internal Operation Plan.

Provides support for planning, coordinating and conducting Security projects for SAP and collateral programs. Specifically conducts facility inspections, execute monthly alarm checks, maintain document accountability, develop, coordinate, and implement projects in support of Security programs for all programs and special access facilities and areas.

Maintains compliance in special access by overseeing daily facility operation and area access, execute document and procedural information control in special access facilities. Has day-to-day responsibility for material access, handling, control dissemination of special access documents and materials. Opens all security containers, manage area access and conduct review and end-of-day material accountability and document daily faculty closure and alarm activation. Maintains special access holdings, ensures that material is marked in accordance with regulation and

program guide, brings media under program control, controls access to media and documents media access from entry until destruction. Oversees and/or executes destruction of special access material maintaining a listing of material destroyed.

Coordinates and documents all visits to special access facilities with program Chief, tracks and verifies access authorizations and coordinate visits from declaration to completion. Completes access reviews and personnel security clearance actions for special access coordinating these actions with ATC Personnel Security Specialist. Prepares and submits nomination packets for access and maintain access roster listing of all persons indoctrinated for special access and monitor individual access status monthly. Provides 60-days notification to individuals for periodic reinvestigation submission providing guides and support materials; coordinates all personnel security actions with government personnel security specialists.

Submits special access visit requests required to support program coordination and test review. Supports all visits from announcement, to request, through execution. When an ATC SAPF is the visit location, provides on-site security assistance and information control for all program personnel, supports all program activities and coordinate with test officer and range officer all program action on the test range.

Controls access to SAP Facility (SAPF) and to SAP material stored in SAPF. Ensures that SAP material is appropriately marked and stored inside the SAPF. Coordinate with Test Officer and Security to schedule and execute holding destruction at least quarterly. Coordinates, receives and packages, and maintains receipts for SAP material dissemination to and from program offices.

Oversees opening and closing of special access facilities, conducts monthly alarm checks of special access facilities, and works with Security Chief and Physical Security Specialist to complete annual physical security review of special access facilities. Acts as the SAPF Document Custodian; maintains media control log, SF 700 (Security Container Combination), SF 701 (Daily Security Activity Checklist) and SF 702 (Security Container Checklist).

Coordinates access to, and provides support for, weekly information assurance updates and accreditation reviews of special access information systems.

Supports preparation and presentation of special access annual training, maintains record of training completion and maintains official individual employee record of training.

Clears nominated subjects for indoctrination, submits program access requests to program security officer and, after receiving program approval, completes indoctrination and makes update and corrective actions to program access roster. Conducts employee debrief from special access and maintains record of debriefing.

Assists the Range Officer in maintaining high security key control accountability for program areas. Details and implements daily facility check and supports Security in the conduct of conduct monthly alarm check for program facilities. Support Security Officer in the conduct of semi-annual physical security reviews of SAPFs.

Provides Security Chief and program Chief with notification of incident and support incident review, reporting and correction.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.

2. 3 yr. experience leading/supervising.
3. Shall obtain and maintain a TOP SECRET (TS) clearance with a current Tier 5 investigation prior to starting duties. May also be required to undergo a Polygraph Examination.

**Specialist – Systems Safety IV**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Reviews product systems, associated test support equipment, and facilities, functional specifications and operations, establishes safety requirements for assigned tests and assists in development of Safety Releases. Reviews applicable upcoming test procedures, Human Research Protection Program documents, Safety Releases, Safety Assessment Reports, 1045R forms, Safety Confirmation reports, SOPs, TOPs, IOPs, JHAs , RAs, Test manuals, Test Plans/procedures, and any other test related documents. Participates in Hazard Analysis Working Group meetings, providing input to the Test Officer regarding conduct of the test. Conducts Initial Safety Inspections on new test items to look for design flaws and reports findings to the Test Officer. Prepares and provides examples of applicable JHAs, RAs, 1045R forms, Recommendations for Safety Releases or Confirmations, and memos for development of RAs. Prepares safety documents such as risk assessments, failure modes effects, hazard, safety and reliability/maintainability analysis and predictions to comply with customer and contractual safety and mission assurance specifications for compliance. Analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards. Visits test sites to ensure test officers are following the approved risk assessment. Interview personnel for potential system design flaws or failures. Participates in accident investigations and assists in the identification of causes and corrective actions. Develops policy. Understands and applies Army System Safety process. Independently analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards.

Qualifications:

1. Bachelor’s Degree in specialization or related discipline and 5 yr. applicable experience or have 7 to 10 yr. applicable experience in related discipline; or a Master’s Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.
2. 3 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Specialist V**

<b>Specialist V (Exempt)</b>
<b>Job Description</b>
<p><b>Specialist – Data V</b></p> <p>Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for accomplishing the detailed planning and execution of the assignment independently, referring only the more difficult</p>

or unusual problems encountered to the supervisor, usually with recommendations for resolution. Reports or similar documents are subject to close review for technical adequacy and accuracy and for conformance with organizational analytical procedures and practices. Plans and executes data analyses by evaluating alternative methods of approach, selecting and applying the most appropriate method, correctly analyzing and interpreting findings, and preparing reports, graphs, tables, or other descriptive documents. Assignments may involve a variety of subject matter applications and analytical methods. The work requires a good knowledge of: the principles, theories and methods of probability and statistics; the use, modification, and adaptation of standard mathematical methods and procedures; knowledge of programming languages (FORTRAN and C are desirable), operating systems (Windows, UNIX, DOS), and commercial data and word processing software (for example, Microsoft Excel and Word). The ability to apply this knowledge in specialized subject-matter areas is required. Usually, assignments require the acquisition and use of practical knowledge in specialized subject-matter areas.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Desired to have at least 24 credit hours in mathematics, statistics, scientific fields, scientific programming languages (such as FORTRAN or C), technical writing, or computer science.

**Specialist – Environmental V**

Responsible for planning, coordinating and conducting environmental conservation, restoration, compliance and pollution prevention projects of a complex and non-routine nature requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of environmental principles, techniques and practices and environmental programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of environmental programs for areas engaged in diverse high risk operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local regulatory requirements into project design, implementation and evaluation. Identifies environmental abatement projects needed. Develops project plans, outlines environmental procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in environmental regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with environmental laws and regulations. Ensures monitoring and sampling equipment is accurately calibrated and functioning properly. Takes samples and accumulates information and material required for laboratory analysis. Analyzes and interprets laboratory reports to determine the presence of hazardous environmental conditions and the degree of noncompliance with regulatory guidance. Prepares applications for required permits and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications and cost estimates for a variety of projects in support of the environmental programs. Responsible for ensuring preparation of documentation

(e.g., environmental assessments, air conformity determinations) on facility, construction and test projects. Coordinates and advises spill response team actions and/or abatement team activities. Organizes, schedules, and administers supporting functions of appropriate meeting for discussion of environmental issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Works issues pertaining to environmental compliance and remediation actions. Develops and conducts various environmental training. Participates in meetings regarding environmental concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Minimum of 1 personnel shall possess Asbestos and Lead Abatement certifications.
5. Shall possess hazardous waste generator annual training certificate.
6. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Specialist – Explosive Safety V**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Develops Explosive Safety Documents IAW DA Pam 385-64 and DOD-STD 6055.9. Ensures that appropriate design factors (e.g., construction, industrial hygiene, explosives safety quantity distance, flow of material/personnel, regulations) are considered. Prepares hazard analyses when deemed necessary. Periodically reviews explosives safety site plans/safety submissions/licenses for coordination by other APG organizations to assess impact potential upon facilities/operations. Performs field surveys when necessary to investigate and determine the condition of existing structures and determine whether original and safe design criteria are being met. Uses Job Hazard Analyses (JHA) methodologies or techniques (examples: fault tree analysis, failure mode and effects analysis, hazard and operability study, what/if checklist, others identified in the latest version of MIL-STD-882 or DA Pam 385-30) that will identify potential hazards associated with testing or other support operations. Verifies that all hazards and recommendations identified in JHAs are incorporated into Risk Assessments or SOPs. Responds to special data calls such as, but not limited to: (1) QD blast computations for placement of temperature conditioning units in support of firing programs, (2) QD blast computations for the placement of personnel bombproofs in support of firing programs. Reviews and/or assists in development of engineering design plans for new construction and/or major repair and modification plans. Ensures adequate incorporation of safety, fire protection, human factors, and design factors affecting occupational health provisions in accordance with existing standards, regulations, laws, and other sound safety engineering principles and practices. Ensures that any repairs/modifications to existing facilities do not deter from the safety principles of the original design. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Provides technical analysis support for investigations

requiring engineering analyses of structural, equipment, or operational workflow. Works with government technical personnel on the design and adaptation of local field equipment for remote or unmanned operations. Develops and provides training on a variety of safety-related topics.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Specialist – Facilities V**

Responsible for planning, coordinating and conducting Facilities projects (e.g., infrastructure planning, upgrades, modifications, alterations, construction, real property inventory, etc.) requiring substantive adaptation and modification of approaches, methods and procedures. Such work requires professional knowledge of Facilities principles, techniques and practices and Facilities programs and issues that typically present problems not susceptible to treatment by accepted methods, and/or require application of new developments and theories. Plans, develops, organizes, administers, evaluates, and coordinates projects in support of Facilities programs for areas engaged in diverse operations and functions. Prepares, reviews and coordinates the preparation of written plans, schedules and milestones for accomplishing goals in both prevention and abatement functions. Incorporates federal, state and local requirements into project design, implementation and evaluation. Identifies Facilities projects needed. Develops project plans, outlines Facilities procedures and issues, and identifies long and short term goals and objectives. Manages resources throughout completion of project. Participates in Facilities regulatory personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Leads and/or participates in audit teams to conduct inspections of facilities and operations to ensure compliance with Facilities regulations and requirements. Analyzes and interprets data to determine the presence of Facilities conditions and the degree of noncompliance with regulatory guidance. Prepares surveys and inspection documents for required programs and ensures their currency in accordance with pertinent regulations. Consults and provides guidance in developing new or radically different procedures to correct violations or meet new program requirements. Reviews plans, specifications, and cost estimates for a variety of projects in support of the Facilities programs. Responsible for ensuring preparation of documentation (e.g., Facilities assessments, surveys, and determinations on projects). Organizes schedules and administers supporting functions of appropriate meetings for discussion of Facilities issues. Establishes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Coordinates issues pertaining to Facilities compliance and corrective actions. Develops and conducts various Facilities training. Participates in meetings regarding Facilities concerns related to the assigned projects. Analyzes data from various sources, such as inspection/evaluation reports, project information, notices of violations, etc., and identifies trends in the functions and operations. Recommends the need for improvements or areas of further study. Prepares written reports and documentation regarding assigned projects.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in

specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.

2. 5 yr. experience leading/supervising.

### **Specialist – Industrial Hygienist V**

Recognizes, assesses, and recommends controls for environmental factors or stresses in the workplace which may cause sickness or impaired health of personnel. Selects appropriate methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts work site visits, surveillance, and inspections to identify and validate engineering controls, administrative controls, and personal protective equipment requirements, to ensure employees are protected from recognized hazards. Ensures that safety and health hazards associated with airborne contaminants, chemicals, noise, indoor air quality, vector-borne disease, ergonomics, and other industrial hygiene issues are identified and sufficiently mitigated. Conducts industrial hygiene-related promotional activities that encourage employee involvement in the Safety and Occupational Health Program.

#### Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Occupational Safety V**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Conducts facilities inspections, field surveys and safety assessments of operations; supports identification and abatement of hazards; reviews construction safety; conducts accident investigation and analysis; develops safety policy and procedures; supports inspections of explosives facilities and development of explosive safety criteria ensuring that appropriate design factors (e.g., construction, industrial hygiene, quantity distance, flow of material/personnel, regulations) are considered. Performs office and industrial evaluations, including ergonomic evaluations. Makes on-the-spot adjustments; writes evaluation reports; and justifies cost-effective equipment/supplies. Coordinates training, ensures equipment is maintained and justifies the purchase of new emergency equipment for programs such as First Aid, Cardiopulmonary Resuscitation (CPR), and automated external defibrillator (AED). Collects, researches and/or writes articles to improve the overall safety and health of the ATC workforce (and their families). Supports outreach and knowledge management efforts of the Safety Office. Participates in the planning and execution of all Safety Office initiatives. Conducts or assists with monthly safety briefings on various topics to a wide variety of audiences. Perform building, pre-command, and employee concern inspections/reviews and assists teams in editing and developing Job Safety Analysis (JSAs), JHAs, and SOPs. Works closely with Industrial Hygiene and Facilities on indoor air quality issues/concerns; assists with evaluations; and acts as the



liaison to remedy the situation. Administers safety compliance programs, including the respirator program, to include fit-testing and training.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Specialist – Program V**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists in planning, coordinating, arranging, managing and conducting data collection. Serves as an advisor on all aspects of the assigned program areas. Compiles new information, considers data from a variety of sources, and follows standard approaches, methods, and procedures to plan and carry out assignments. Reviews, conducts and evaluates routine sampling, surveys, inventories, data and findings. Monitors operations to identify and rectify problems. Evaluates adequacy of controls and corrective measures and identifies and make recommendations to higher level employee on determinations of alternate measures. Prepares, coordinates and/or reviews the preparation of portions of written plans, schedules and milestones for accomplishing goals. Organizes, schedules and assists in administering supporting functions of appropriate meeting for discussion of issues. Proposes agenda topics, tracks resulting action items, coordinates development of presentations, and ensures complete coordination. Reviews and prepares portions of plans, forms, procedures, reports and related documents. Coordinates issues pertaining to project compliance, schedule and corrective actions. Assists in developing and conducting various training. Participates in meetings regarding concerns related to the assigned projects. Performs collection and assists in compilation of technical and programmatic data from a variety of sources. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments. Evaluates, selects, adapts and modifies standard techniques and criteria. Performs scheduling, coordination and execution of the test. Monitors budgets, safety requirements and ensures quality is met.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.

**Specialist – Public Affairs V**

Provides technical, coordination, public affairs, outreach and marketing support for drafting materials and documents which may include review of literature, all papers and presentations prepared for outside audiences and may require discussion with test center/other government, commercial and academic experts, and analysis of ongoing efforts in various test center functional areas. Prepares or solicits and edits papers, articles, briefings, speeches prepared by others and

takes/provides news related photographs with captions for release to targeted media and will ensure the ATC message is consistent with command priorities. Clears all proposed public disclosures, new releases, media requests through the ATC Security Manager, Office of the ATC Commander, and affected customers through the responsible test officer prior to release. Interfaces with the DTC Public Affairs Office staff, counterparts at the GAPG and in tenant organizations. Plans for and personally participates in community events designed to inform the public, enhance relations, and promote ATC. Attends meetings to discuss activities and products of the public affairs office. Develops, updates and implements the ATC Communications plan and strategies in coordination with the command's functional elements and the ATC Strategic Plan. Updates the strategy to address stakeholder and command concerns. The focus of the strategy shall be on reaching a target audience with a message through the appropriate medium, or media, to reach that group and to provide meaningful marketing, public outreach and public involvement activities to include tours, presentations, internet communications, public meetings, and other events or activities. Specific tasks include but are not limited to the following: Information Products (research, write, develop and prepare a "smart book" for the Public Affairs Office and commander that is a compendium of organizational materials, policies, instruction documents, and command information papers or fact sheets which address outreach, community relations or media relations materials which may include range sustainability issues); Track Public Opinion/Comment (track public opinion through the media and from public comment and shall analyze public outreach issues and concerns on an ongoing basis); Media Monitoring (proactively capture all of the news clips relating to the ATC program); and, World Wide Web Site (maintain, research and review existing world-wide web communications, provide guidance, and keep abreast of web trends and enhance existing or design/develop new web pages as required for ATC marketing and outreach programs).

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.

**Specialist – Quality V**

Provides support for a quality management system to include, but is not limited to: analyzing procedures, flowcharting processes, providing textual backup to flow charts, coordinating documentation where procedures overlap, and communicating documented procedures to affected parties. Provides support for the development, deployment, and registering a quality management system. Analyzes procedures to determine the existing gap between the requirements of the quality standard and the current status of formal and informal ATC procedures that are followed in the performance of specific test operations. Develops flow charts (process maps) of assigned processes, including sequential action blocks, decision points, hand-off points, and legend, which result in a graphic description of specific processes. Provides textual backup of flow chart to ensure accurate understanding of the process flow. Analyzes flow chart data to identify overlapping procedures, prepares recommendations and coordinates for the elimination of non-value added steps, or to validate the need to retain redundancies. Provides support in the preparation of documentation that describes specific procedures to the extent that an apprentice technician will obtain a clear understanding of the task with minimal questions. Communicates the documented procedure to affected parties.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.

### **Specialist – Radiation Safety/Health Physicist V**

Conducts radiation permit inspections and prepares reports identifying deficiencies. Develops and conducts radiation safety briefings or training for the workforce. Conducts radiological surveys to include airborne radiation concentration calculations, dose rate, and removable contamination evaluations. Selects proper survey instruments for the desired survey. Conducts analysis of samples using instrumentation available in the radiological laboratory. Collects environmental samples to support the Environmental Radiological Monitoring Program. Supports X-Ray Operations by performing dose rate surveys and using knowledge of regulatory and SOP compliance requirements. Supports Depleted Uranium (DU) Operations with identifying and implementing contamination control requirements and ability to implement safeguards. Supports Radioactive Commodities Inventories by tracking inventory and performing leak tests and/or complying with storage requirements. Support to Radioactive Waste Management and Transportation Operations by performing necessary surveys and ensuring compliance with all requirements of the waste program. Supports Moisture Density Gauge use by performing leak tests, surveys, and enforcing proper storage requirements. Assists in the implementation of internal and external dosimetry programs including bioassay.

#### Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

### **Specialist – Security V**

Assists in performing technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Assists Government Security personnel in planning, coordinating and conducting Security projects (e.g., physical, information, security education, etc). Such work requires professional knowledge of Security principles, techniques and practices and Security programs and issues. Under the guidance of Government Security Specialists, develops, coordinates, and implements limited projects in support of Security programs for areas. Responsible for the following: prepares written plans, schedules and milestones for accomplishing goals; identifies Security projects needed; develops of project plans, outlining procedures and issues, and identifying long and short term goals and objectives; coordinates resources through a Government Security Specialist throughout completion of project; incorporates federal, state and local requirements into project design, implementation and evaluation; analyzing and assisting in interpreting data and reports to determine the degree of noncompliance with guidance; gathers data and prepares portions of reports and ensures their currency in accordance with pertinent regulations; coordinates and schedules supported functions of appropriate meeting for discussion of Security issues; prepares portions of agenda topics, tracks resulting action items, coordinates development of presentations, and ensures coordination; coordinates issues pertaining to compliance and corrective actions; develops and

conducts various Security training and on- line training modules, etc. Assists Security Specialists with team security compliance visits and inspections. Prepares portions of plans, specifications and cost estimates for a variety of projects in support of the Security programs. Any deviations from military regulations or normal operating procedures must be pre-approved by a Government Security Specialists

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.

**Specialist – Special Access Program (SAP) Technician V**

Provide administrative support to SAP by complying with requirements in Department of Defense Manual 5205.07 Volumes I-IV (SAP Security Manuals), AR 380-381, DoD Joint SAP Implementation Guide, SAP and local Internal Operation Plan.

Provides support for planning, coordinating and conducting Security projects for SAP and collateral programs. Specifically conducts facility inspections, execute monthly alarm checks, maintain document accountability, develop, coordinate, and implement projects in support of Security programs for all programs and special access facilities and areas.

Maintains compliance in special access by overseeing daily facility operation and area access, execute document and procedural information control in special access facilities. Has day-to-day responsibility for material access, handling, control dissemination of special access documents and materials. Opens all security containers, manage area access and conduct review and end-of-day material accountability and document daily facility closure and alarm activation. Maintains special access holdings, ensures that material is marked in accordance with regulation and program guide, brings media under program control, controls access to media and documents media access from entry until destruction. Oversees and/or executes destruction of special access material maintaining a listing of material destroyed.

Coordinates and documents all visits to special access facilities with program Chief, tracks and verifies access authorizations and coordinate visits from declaration to completion. Completes access reviews and personnel security clearance actions for special access coordinating these actions with ATC Personnel Security Specialist. Prepares and submits nomination packets for access and maintain access roster listing of all persons indoctrinated for special access and monitor individual access status monthly. Provides 60-days notification to individuals for periodic reinvestigation submission providing guides and support materials; coordinates all personnel security actions with government personnel security specialists.

Submits special access visit requests required to support program coordination and test review. Supports all visits from announcement, to request, through execution. When an ATC SAPF is the visit location, provides on-site security assistance and information control for all program personnel, supports all program activities and coordinate with test officer and range officer all program action on the test range.

Controls access to SAP Facility (SAPF) and to SAP material stored in SAPF. Ensures that SAP material is appropriately marked and stored inside the SAPF. Coordinate with Test Officer and Security to schedule and execute holding destruction at least quarterly. Coordinates, receives

and packages, and maintains receipts for SAP material dissemination to and from program offices.

Oversees opening and closing of special access facilities, conducts monthly alarm checks of special access facilities, and works with Security Chief and Physical Security Specialist to complete annual physical security review of special access facilities. Acts as the SAPF Document Custodian; maintains media control log, SF 700 (Security Container Combination), SF 701 (Daily Security Activity Checklist) and SF 702 (Security Container Checklist).

Coordinates access to, and provides support for, weekly information assurance updates and accreditation reviews of special access information systems.

Supports preparation and presentation of special access annual training, maintains record of training completion and maintains official individual employee record of training.

Clears nominated subjects for indoctrination, submits program access requests to program security officer and, after receiving program approval, completes indoctrination and makes update and corrective actions to program access roster. Conducts employee debrief from special access and maintains record of debriefing.

Assists the Range Officer in maintaining high security key control accountability for program areas. Details and implements daily facility check and supports Security in the conduct of conduct monthly alarm check for program facilities. Support Security Officer in the conduct of semi-annual physical security reviews of SAPFs.

Provides Security Chief and program Chief with notification of incident and support incident review, reporting and correction.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall obtain and maintain a TOP SECRET (TS) clearance with a current Tier 5 investigation prior to starting duties. May also be required to undergo a Polygraph Examination.

**Specialist – Systems Safety V**

Performs technical and analytical work. The work requires the ability to learn and apply established methods, procedures and techniques. Selects methods, plans and coordinates the details, and carries work through to its conclusion. Completed work is reviewed for soundness of analysis, the suitability of methods used, and for conformance with organizational analytical procedures and practices. Reviews product systems, associated test support equipment, and facilities, functional specifications and operations, establishes safety requirements for assigned tests and assists in development of Safety Releases. Reviews applicable upcoming test procedures, Human Research Protection Program documents, Safety Releases, Safety Assessment Reports, 1045R forms, Safety Confirmation reports, SOPs, TOPs, IOPs, JHAs , RAs, Test manuals, Test Plans/procedures, and any other test related documents. Participates in Hazard Analysis Working Group meetings, providing input to the Test Officer regarding conduct of the test. Conducts Initial Safety Inspections on new test items to look for design flaws and reports findings to the Test Officer. Prepares and provides examples of applicable JHAs, RAs, 1045R forms, Recommendations for Safety Releases or Confirmations, and memos for development of RAs. Prepares safety documents such as risk assessments, failure modes

effects, hazard, safety and reliability/maintainability analysis and predictions to comply with customer and contractual safety and mission assurance specifications for compliance. Analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards. Visits test sites to ensure test officers are following the approved risk assessment. Interview personnel for potential system design flaws or failures. Participates in accident investigations and assists in the identification of causes and corrective actions. Develops policy. Understands and applies Army System Safety process. Independently analyzes and recommends safety criteria in test planning, and proposes methods to control or eliminate hazards.

Qualifications:

1. Bachelor's Degree in specialization or related discipline and 7 yr. applicable experience or have a minimum of 10 yr. applicable experience in related discipline; or a Master's Degree in specialization or related discipline and 5 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 3 yr. applicable experience.
2. 5 yr. experience leading/supervising.
3. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. Shall possess hazardous waste generator annual training certificate.

**Systems Operator Maintainer**

**Systems Operator Maintainer (2424 CBA)**

**Job Description**

Performs a wide range of duties in connection with the maintenance, operation, test, modification and training of both US and foreign combat systems and tactical systems and weapons and associated items, which are supported by limited documentation or foreign language documentation. This includes but is not limited to such systems as tracked and wheeled vehicles, small arms, rocket launchers, howitzers, communication equipment, automotive control systems and the components that comprise these items. Troubleshoots diagnoses and repairs or replaces power plant items such as engines, transmissions, suspension components and like items. Troubleshoots, diagnoses, repairs or replaces and documents electrical components of the power train and communication systems. Troubleshoots and repairs basic fire control systems, such as turret traversing mechanisms, turret removal and the like. Installs instrumentation under direction for various test purposes. Operates and performs limited repairs on communication equipment. Operates both US and foreign equipment in test and field environments at any location prescribed, including support to firing tests. Provides technical guidance and training to various government agencies, as required. Develops, analyzes and provides technical input as required for documentation and training. Fabricates tools and equipment as required to perform assigned duties. When required, installs equipment on the items to be tested or operated such as combat loads, MILES equipment, counter measures and the like.

Qualifications:

1. 6 yr. applicable experience; or completion of formal training and 4 yr. applicable experience as a driver on wheeled and tracked transport and tactical vehicles in which 2 yr. of those years were operating and maintaining complete vehicle based weapon systems.
2. Shall possess a Class A Commercial Driver's License (CDL).
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

## Technician I (186)

<b>Technician I (186 CBA)</b>
<b>Job Description</b>
<p><b>Technician I (Automotive Instrumentation Technician (AIT))</b></p> <p>Responsible for a wide variety of technical aspects regarding the design, use, and maintenance of complex digital data acquisition systems, and the supporting analog and digital instrumentation devices that support them. Performs routine and non-routine assignments of substantial variety and complexity, typically parts of broader assignments, which may involve unusual instrumentation design or application issues. Uses critical thinking and scientific methods to troubleshoot and correct malfunctions with data acquisition systems and applied instrumentation. Conducts various tests or experiments, which may require minor modifications in test setups or procedures, as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment. Records data, measures and documents problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports. Uses judgment and initiative to recognize inconsistencies or gaps in data, and seeks solutions to clarify information. Applies methods to limited segments of research and development projects. Constructs experimental or prototype instrumentation applications to meet engineering requirements, then conducts tests or experiments and redesigns those models as necessary. Possesses good communication skills, and interacts with internal (i.e. field engineers, test officers, supervisors, etc.) and external (field service representatives, project managers, headquarters personnel, etc.) customers to ensure smooth test conduct and that test expectations are met. Recognizes inefficient or unsafe test practices and corrects them. Performs inventory management and prepares supply requests.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. of applicable experience or completion of formal training.</li><li>2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li></ol>
<p><b>Technician I (Electromagnetic Environmental Effects (E3))</b></p> <p>Responsible for ensuring all Electromagnetic Environmental Effects (E3) testing assignments are completed, including those that are not completely standardized or prescribed. Plans and performs routine and non-routine tests of substantial variety and complexity using approved operational precedents or critical thinking and problem solving skills in the absence of precedents. Provides technical expertise for all troubleshooting and corrections of system malfunctions. Work requires minimal review for technical adequacy or conformity with instructions. Analyzes and presents various test data in accordance with established methods. Develops or reviews designs of test fixtures and/or components using sound technical principles. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electronic test equipment and test procedures; sets up and operates equipment; records data. Monitors data and records problems of significant complexity that sometimes require resolution at a higher level. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, recognizes and records system errors, inconsistencies, and susceptibilities; selects methods of data presentation. Recognizes and analyzes data inconsistencies, communicates findings with the engineer, and independently recognizes and solves test issues. Prepares and reviews test folders/reports. Applies methods outlined by internal operating procedure (IOP), military and</p>

commercial standards for electronic E3 testing, TOPs and SOPs; conducts tests or experiments and redesigns as necessary; records and evaluates data and reports findings. Demonstrates a working knowledge of all standard RF and EMI test equipment to include spectrum analyzers, signal generators, RF receivers, oscilloscopes, multi-meters, and expertise in computer applications including Microsoft Office Word, Excel, and SharePoint. Familiar with and capable of performing all aspects of E3 test facility/mobile RF equipment operations and communicating needs. Familiar with or certified in International Association for Radio, Telecommunications and Electromagnetics (iNARTE) Electromagnetic Compatibility (EMC/EMI) and Military Standard (MIL-STD) EMC Specialist focus areas. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information. Assists the engineer in failure analysis and mitigation techniques by compiling data related to system design, specifications, materials, and testing that are pertinent to the system under test. Assists the engineer with the development of information concerning previous operational failures, modifications, and suggested mitigation techniques. Installs and operates C4ISR equipment that pertains to E3 testing.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.

**Technician II (186)**

**Technician II (186 CBA)**

**Job Description**

**Technician II (Automotive Instrumentation Technician (AIT))**

Responsible for a wide variety of technical aspects regarding the design, use, and maintenance of complex digital data acquisition systems, and the supporting analog and digital instrumentation devices that support them. Performs routine and non-routine assignments of substantial variety and complexity, typically parts of broader assignments, which may involve unusual instrumentation design or application issues. Uses critical thinking and scientific methods to troubleshoot and correct malfunctions with data acquisition systems and applied instrumentation. Conducts various tests or experiments, which may require minor modifications in test setups or procedures, as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment. Records data, measures and documents problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports. Uses judgment and initiative to recognize inconsistencies or gaps in data, and seeks solutions to clarify information. Applies methods to limited segments of research and development projects. Constructs experimental or prototype instrumentation applications to meet engineering requirements, then conducts tests or experiments and redesigns those models as necessary. Possesses good communication skills, and interacts with internal (i.e. field engineers, test officers, supervisors, etc.) and external (field service representatives, project managers, headquarters personnel, etc.) customers to ensure smooth test conduct and that test expectations are met. Recognizes inefficient or unsafe test practices and corrects them. Performs inventory management and prepares supply requests.

Qualifications:

1. 3 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yr. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience



2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

### **Technician II (Electromagnetic Environmental Effects (E3))**

Responsible for ensuring all Electromagnetic Environmental Effects (E3) testing assignments are completed, including those that are not completely standardized or prescribed. Plans and performs routine and non-routine tests of substantial variety and complexity using approved operational precedents or critical thinking and problem solving skills in the absence of precedents. Provides technical expertise for all troubleshooting and corrections of system malfunctions. Work requires minimal review for technical adequacy or conformity with instructions. Analyzes and presents various test data in accordance with established methods. Develops or reviews designs of test fixtures and/or components using sound technical principles. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electronic test equipment and test procedures; sets up and operates equipment; records data. Monitors data and records problems of significant complexity that sometimes require resolution at a higher level. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, recognizes and records system errors, inconsistencies, and susceptibilities; selects methods of data presentation. Recognizes and analyzes data inconsistencies, communicates findings with the engineer, and independently recognizes and solves test issues. Prepares and reviews test folders/reports. Applies methods outlined by internal operating procedure (IOP), military and commercial standards for electronic E3 testing, TOPs and SOPs; conducts tests or experiments and redesigns as necessary; records and evaluates data and reports findings. Demonstrates a working knowledge of all standard RF and EMI test equipment to include spectrum analyzers, signal generators, RF receivers, oscilloscopes, multi-meters, and expertise in computer applications including Microsoft Office Word, Excel, and SharePoint. Familiar with and capable of performing all aspects of E3 test facility/mobile RF equipment operations and communicating needs. Familiar with or certified in International Association for Radio, Telecommunications and Electromagnetics (iNARTE) Electromagnetic Compatibility (EMC/EMI) and Military Standard (MIL-STD) EMC Specialist focus areas. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information. Assists the engineer in failure analysis and mitigation techniques by compiling data related to system design, specifications, materials, and testing that are pertinent to the system under test. Assists the engineer with the development of information concerning previous operational failures, modifications, and suggested mitigation techniques. Installs and operates C4ISR equipment that pertains to E3 testing.

#### Qualifications:

1. 3 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yr. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience

## Technician III (186)

<b>Technician III (186 CBA)</b>
<b>Job Description</b>
<p><b>Technician III (Automotive Instrumentation Technician (AIT))</b></p> <p>Responsible for a wide variety of technical aspects regarding the design, use, and maintenance of complex digital data acquisition systems, and the supporting analog and digital instrumentation devices that support them. Performs routine and non-routine assignments of substantial variety and complexity, typically parts of broader assignments, which may involve unusual instrumentation design or application issues. Uses critical thinking and scientific methods to troubleshoot and correct malfunctions with data acquisition systems and applied instrumentation. Conducts various tests or experiments, which may require minor modifications in test setups or procedures, as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment. Records data, measures and documents problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports. Uses judgment and initiative to recognize inconsistencies or gaps in data, and seeks solutions to clarify information. Applies methods to limited segments of research and development projects. Constructs experimental or prototype instrumentation applications to meet engineering requirements, then conducts tests or experiments and redesigns those models as necessary. Possesses good communication skills, and interacts with internal (i.e. field engineers, test officers, supervisors, etc.) and external (field service representatives, project managers, headquarters personnel, etc.) customers to ensure smooth test conduct and that test expectations are met. Recognizes inefficient or unsafe test practices and corrects them. Performs inventory management and prepares supply requests.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. 5 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 3 yr. of applicable experience; or 30 credit hours and 4 yr. of applicable experience; or completion of a formal training program and 3 yr. of applicable experience; or a Bachelor's Degree and 1 yr. of applicable experience.</li><li>2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li></ol>
<p><b>Technician III (Electromagnetic Environmental Effects (E3))</b></p> <p>Responsible for ensuring all Electromagnetic Environmental Effects (E3) testing assignments are completed, including those that are not completely standardized or prescribed. Plans and performs routine and non-routine tests of substantial variety and complexity using approved operational precedents or critical thinking and problem solving skills in the absence of precedents. Provides technical expertise for all troubleshooting and corrections of system malfunctions. Work requires minimal review for technical adequacy or conformity with instructions. Analyzes and presents various test data in accordance with established methods. Develops or reviews designs of test fixtures and/or components using sound technical principles. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electronic test equipment and test procedures; sets up and operates equipment; records data. Monitors data and records problems of significant complexity that sometimes require resolution at a higher level. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, recognizes and records system errors, inconsistencies, and susceptibilities; selects methods of data presentation. Recognizes and analyzes data inconsistencies, communicates findings with the</p>

engineer, and independently recognizes and solves test issues. Prepares and reviews test folders/reports. Applies methods outlined by internal operating procedure (IOP), military and commercial standards for electronic E3 testing, TOPs and SOPs; conducts tests or experiments and redesigns as necessary; records and evaluates data and reports findings. Demonstrates a working knowledge of all standard RF and EMI test equipment to include spectrum analyzers, signal generators, RF receivers, oscilloscopes, multi-meters, and expertise in computer applications including Microsoft Office Word, Excel, and SharePoint. Familiar with and capable of performing all aspects of E3 test facility/mobile RF equipment operations and communicating needs. Familiar with or certified in International Association for Radio, Telecommunications and Electromagnetics (iNARTE) Electromagnetic Compatibility (EMC/EMI) and Military Standard (MIL-STD) EMC Specialist focus areas. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information. Assists the engineer in failure analysis and mitigation techniques by compiling data related to system design, specifications, materials, and testing that are pertinent to the system under test. Assists the engineer with the development of information concerning previous operational failures, modifications, and suggested mitigation techniques. Installs and operates C4ISR equipment that pertains to E3 testing.

**Qualifications:**

1. 5 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 3 yr. of applicable experience; or 30 credit hours and 4 yr. of applicable experience; or completion of a formal training program and 3 yr. of applicable experience; or a Bachelor's Degree and 1 yr. of applicable experience.

**Technician IV (186)**

**Technician IV (186 CBA)**

**Job Description**

**Technician IV (Automotive Instrumentation Technician (AIT))**

Responsible for a wide variety of technical aspects regarding the design, use, and maintenance of complex digital data acquisition systems, and the supporting analog and digital instrumentation devices that support them. Performs routine and non-routine assignments of substantial variety and complexity, typically parts of broader assignments, which may involve unusual instrumentation design or application issues. Uses critical thinking and scientific methods to troubleshoot and correct malfunctions with data acquisition systems and applied instrumentation. Conducts various tests or experiments, which may require minor modifications in test setups or procedures, as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment. Records data, measures and documents problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports. Uses judgment and initiative to recognize inconsistencies or gaps in data, and seeks solutions to clarify information. Applies methods to limited segments of research and development projects. Constructs experimental or prototype instrumentation applications to meet engineering requirements, then conducts tests or experiments and redesigns those models as necessary. Possesses good communication skills, and interacts with internal (i.e. field engineers, test officers, supervisors, etc.) and external (field service representatives, project managers, headquarters personnel, etc.) customers to ensure smooth test conduct and that test expectations are met. Recognizes inefficient or unsafe test practices and corrects them. Performs inventory management and prepares supply requests.

Qualifications:

1. 7 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 5 yr. of applicable experience; or 30 credit hours and 6 yr. of applicable experience; or completion of a formal training program and 5 yr. of applicable experience; or a Bachelor's Degree and 3 yr. of applicable experience; or a Master's Degree and 1 yr. of applicable experience.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.

**Technician IV (Electromagnetic Environmental Effects (E3))**

Responsible for ensuring all Electromagnetic Environmental Effects (E3) testing assignments are completed, including those that are not completely standardized or prescribed. Plans and performs routine and non-routine tests of substantial variety and complexity using approved operational precedents or critical thinking and problem solving skills in the absence of precedents. Provides technical expertise for all troubleshooting and corrections of system malfunctions. Work requires minimal review for technical adequacy or conformity with instructions. Analyzes and presents various test data in accordance with established methods. Develops or reviews designs of test fixtures and/or components using sound technical principles. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electronic test equipment and test procedures; sets up and operates equipment; records data. Monitors data and records problems of significant complexity that sometimes require resolution at a higher level. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, recognizes and records system errors, inconsistencies, and susceptibilities; selects methods of data presentation. Recognizes and analyzes data inconsistencies, communicates findings with the engineer, and independently recognizes and solves test issues. Prepares and reviews test folders/reports. Applies methods outlined by internal operating procedure (IOP), military and commercial standards for electronic E3 testing, TOPs and SOPs; conducts tests or experiments and redesigns as necessary; records and evaluates data and reports findings. Demonstrates a working knowledge of all standard RF and EMI test equipment to include spectrum analyzers, signal generators, RF receivers, oscilloscopes, multi-meters, and expertise in computer applications including Microsoft Office Word, Excel, and SharePoint. Familiar with and capable of performing all aspects of E3 test facility/mobile RF equipment operations and communicating needs. Familiar with or certified in International Association for Radio, Telecommunications and Electromagnetics (iNARTE) Electromagnetic Compatibility (EMC/EMI) and Military Standard (MIL-STD) EMC Specialist focus areas. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information. Assists the engineer in failure analysis and mitigation techniques by compiling data related to system design, specifications, materials, and testing that are pertinent to the system under test. Assists the engineer with the development of information concerning previous operational failures, modifications, and suggested mitigation techniques. Installs and operates C4ISR equipment that pertains to E3 testing.

Qualifications:

1. 7 yr. of applicable experience; or at least 60 credit hours or an Associate's Degree and 5 yr. of applicable experience; or 30 credit hours and 6 yr. of applicable experience; or completion of a formal training program and 5 yr. of applicable experience; or a Bachelor's Degree and 3 yr. of applicable experience; or a Master's Degree and 1 yr. of applicable experience.

## Technician I (2424)

Technician I (2424 CBA)
Job Description
<p><b>Technician I (2424) Armaments and Munitions Technician (AMT)</b></p> <p>Performs technical work in support of Armaments and Munitions, which requires the ability to select and adapt established methods, procedures, and techniques relative to the testing of large caliber (<math>\geq 40</math>-mm) weapon systems, accessories and ammunition, mine and countermine systems, munition fragmentation and hazard classification, mortars, recoilless rifles, and non-lethal systems (i.e., flash-bang device, beanbag, personnel and vehicle restraint systems, etc.). Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, range maintenance, and facility operation independently. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Operates and sets up weapon, to include firing, weapon maintenance, operator level ammunition inspection, assembly/construction/setup of targets, target stands, fragmentation arenas, and witness packs. Installs basic instrumentation on test items and targets. Operates and maintains specialized facility equipment, such as mounts, muzzle and breech scopes/sights, quadrants, pressure gauges, survey equipment, rigging, weapon firing mechanisms, fragmentation collection, cleaning and characterization equipment, and weapon and ammunition accountability systems. Transports equipment, stowage, and ammunition to/around the test site. Disassembles/demilitarizes targets. Operates tools, vehicles, and equipment. Collects data from ballistics instrumentation (i.e., video scoring, velocity measurement, flash x-ray, etc.). Records test procedures and data, and reviews data records and reports for accuracy, trends, and procedure improvements.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. applicable experience firing weapons or equivalent test and evaluation range experience or completion of formal training.</li><li>2. Shall possess basic computer skills.</li><li>3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.</li><li>4. Shall possess a license to operate forklift(s) and other required support equipment.</li><li>5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&amp;E) within 6 months of employment.</li></ol>
<p><b>Technician I (2424) Ballistics Instrumentation (BI)</b></p> <p>Conducts test projects in coordination with engineers and test officers involving: techniques related to manufacturing and testing ballistic-specific cables and ballistic electronic circuits; troubleshooting ballistic transducers; assembles and troubleshoots anthropomorphic test devices. Operates and troubleshoots systems such as Count-down Automated Procedures (CAP); ballistic data acquisition systems; high energy detonation systems; virtual scoring systems and Doppler radar. Installs and troubleshoots transducers and ballistic data acquisition systems by interpreting ballistic test data. Processes the data according to well-defined methods and designated formulas. Plans how to accomplish assignments in the most efficient and economical manner, according to a test plan, test procedure, reference documents, and precedents. Selects and adapts methods and procedures to unique situations. Performs inventory management and prepares supply requests.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. of applicable experience or completion of formal training.</li></ol>

2. Shall possess basic computer skills.

Specific Equipment Requirements for each Contractor Manyear Equivalent:

Ballistics Technician Toolkit:

Description	Part Number
Home Depot (or equivalent) 17 In. Open Tool Tote With Rotating Handle	
Plato Big Shear Heavy Duty Wire/Cable Cutters	1755
6-Pc. Precision Screwdriver Set Esdsafe	XP600; 15771
Adjustable Wrench, 8 In., Black, Plain	577-708S
Digital Multimeter, 10a, 50 Mohms, 1000v	Fluke-87-V
Adjustable Wrench 4"	ARM28-404
Pro Crimper Multimate	58495-1; AP584951
Curve Wire Strip/Cutter 12-20 Awg	11055
Screwdriver Set,Slit & Phl 7 Pc	XPE700
STANLEY FATMAX Tape Measure Metric/English 8m/26ft	33-726
Ninety Degree Pick	PSP-4C
Standard 741 ALLEN WRENCH SET	023-56152
Cable Tie Removal Tool	MG1300
Metric Allen Set	023-56085
Pointed Needle Nose	586-2078955
Long Needle Nose	NN7776G
IRWIN Vice Gripes	10CRFR
Electricians Hammer	807-17
Small Flashlight	MGLM2A016
Crimper,Kwik Cycle Rg58/59/62	PA1363
Wire Stripper-Cutter, For 20-30 Awg...	KLE 11057
Dewalt Folding Retractable Blade	DWHT10035L
Multitool Gerber	22-01545
Channel Locks 10"	GL10
Channel Locks 12"	GL12
Wall Lenk Pro-Torch 500 Micro Torch	301462-LPT-500
Butane Solder Iron For Field Repair	LSP-60-1
Scissors, Electrician's	KLE-2100-7

**Technician I (2424) Data Systems**

Performs assignments involving computer hardware, software, network and storage functionality, with emphasis on computer/camera compatibility and communication. Follows standard work methods on assignments. Shall possess computer hardware skills, such as installing and configuring peripheral devices. Ability to troubleshoot network problems using utilities such as ipconfig, ping, and tracert. Ability to use multi-tester and network testing equipment. Working knowledge of MAC, Windows, and Linux operating systems and their interoperability. Ability to troubleshoot MAC, Windows, and Linux Operating Systems and software. Must be able to apply the Open System Interconnection (OSI) model and its relationship to troubleshooting. Proficient in video compression techniques; VMware virtualization software; and Active Directory or

OpenLDAP. Ability to operate an oscilloscope and pulse generator; write simple scripts and or code; and recover data from storage mediums such as but not limited to SD, CF cards and hard drives. Management of system administration of MAC and other information systems in accordance with DOD and US Army policies, or applicable IA standards. Proficient with streaming video software and hardware; high speed and ultra-high speed camera systems including the synchronization of multiple disparate data systems, frame timing, and digital and analog signals; and diagnosing high speed camera systems including setup, triggering, and digital imaging. Understands transmission mediums such as copper and fiber. Working knowledge of IRIG and NTP time codes. Ability to plan projects and present technical data in written reports.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

**Technician I (2424) Environmental**

Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations. Work requires a thorough knowledge of ammunition recognition and ammunition safety protocols. Responsible for planning and conducting a block of work which is a complete conventional project of relatively limited scope or a portion of a larger project. Works in the transportation, segregation, packaging and disposal of MPPEH. Determines correct demilitarization codes and performs demilitarization of MPPEH items. Duties and responsibilities include: prepares MPPEH documents and acts as a "Certifier" for MPPEH safety assessments; prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensures work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; prepares, reviews and coordinates environmental disposition documents for testing activities; evaluates potential impacts of tests and site selection; recommends pollution prevention initiatives and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized test facilities, ranges, and equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports. Responsible for determining disposition of MPPEH items with an emphasis on recycling and reuse whenever appropriate. Ensures that all parts of the MPPEH operations minimize impact to the environment to include scrap metal storage, refuse accumulation and storage, refueling activities, metal cutting activities, equipment storage and maintenance activities.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

#### **Technician I (2424) Flash X-Ray**

Performs flash X-ray set up and system operation. Assignments involve procedures and techniques related to proper sequence of powering up and presetting instrumentation, pneumatic systems, and high voltage circuits. Proper sequence of powering up and set up of digital scanning systems, emplacement of film cassettes in accordance with predetermined fiducial markers; proper techniques for loading/unloading of storage phosphor screens from blast cassettes; and proper techniques for loading, scanning, and clearing storage phosphors through digital scanning systems. Knowledge of fiducial systems and geodetic survey techniques to complete initial set up and/or rebuild/repair of test fixtures including film plane and tube head alignment. Uses mathematical formulas and trigonometric principles to calculate pitch, yaw, and velocity of various test projectiles. Designs required test fixtures for specific test functions. Attends planning meetings to determine test requirements, personnel, and logistics. Determines requirements for flash X-ray system and fixture design according to verbal or written communication from test officers or test sponsors for range set up. Communicates with test sponsor and test officer to ensure data quality and timely test completion. Designs and creates working drawings for flash X-ray test fixtures, film planes, tube head mounts, bomb proofs, etc. Designs and fabricates film and blast cassettes from wood, poly, and hardware using common hand, power, and shop tools. Required to repair/rebuild flash X-ray pulsars including troubleshooting of high voltage circuits using factory manuals, meters, probes, and specialized tools. Maintains equipment calibration and expendable supply levels. Specifies future equipment requirements for X-ray testing. Follow set procedures for data collection, storage, archiving, and delivery to customer. Reviews test data to ensure accuracy and quality.

#### Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess Flash X-ray technology, systems, and imaging training/Seminar.
4. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

#### **Technician I (2424) Geodetics (GEO)**

Serves as an entry-level geodetic technician and, under the supervision of a higher-level employee, is responsible for participating in geodetic surveys, which involve the collection and processing of surveying and mapping data based on established well-defined criteria, where procedures are established. Assists in analyzing obscure field data, operates as a fact-finder in which tentative evaluations are provided, provides data for several different datum's and grid systems where field data is frequently vague, fragmented, and inaccurate or modified with new data. Assists in performing a variety of surveying duties to accuracies specified by the Customer and or National Geodetic Survey/National Oceanic and Atmospheric Administration in establishment of range tables, firing positions, hit points, radar and instrumentation locations, fiducial marker placement, lines of fire, scoring system calibration, and control points where a detailed knowledge of the use of complex instruments and of operating techniques is required. Assists in the execution of stake-outs, installation of surveying monuments or surveying controls. Assists in performing comprehensive topographic surveys or level runs. Assists performing a variety of high definition survey (3D laser scanning) duties to include data collection and processing of test vehicles and items of varying sizes, complexity and conditions. Assists in operating various laser scanning equipment with assistance of higher-level employee. Collect



data, record and archive information and author daily reports. Work may require entering confined spaces, climbing in or under vehicles and traversing adverse terrain. Adapt to rapidly changing operational tempo and new procedures. Work may predominantly be performed outdoors where there are regular and recurring exposures to all kinds of weather conditions. Work requires the use of protective equipment and clothing. Requires the ability to carry loads/heavy equipment (up to 50 lbs). Other duties as assigned. May require overtime work (25-30% of the time) or TDY if testing is performed in areas away from the installation (25-30% of the time).

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

**Technician I (2424) Heavy Combat (HVY CMBT)**

Performs a variety of duties concerned with the testing of Heavy Combat Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Combat System testing. Provides programmatic test support and coordination for support of Heavy Combat Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

**Technician I (2424) Heavy Tactical (HVY TACT)**

Performs a variety of duties concerned with the testing of Heavy Tactical Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Tactical System testing. Provides programmatic test support and coordination for support of Heavy Tactical Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be

purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL).

**Technician I (2424) Light Armor (LA)**

Performs a variety of duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial HVAC equipment. Responsibilities include but are not limited to the following: operates temperature controlled indoor firing ranges that use multiple types of refrigerants and equipment to maintain critical temperature and humidity test requirements; monitors/controls the facility support equipment using automated control workstations; performs control setups, instrumentation monitoring and general instrument operations; assists in setting up data acquisition systems to record/retrieve/report data; performs facility test operations, preventive maintenance, repairs and visual inspections on all equipment; interprets and troubleshoots blue prints, drawings, diagrams and schematics; assists technicians from private industry during large repairs or modifications; operates indoor range HVAC equipment from a PC-based workstation; accesses range test environment information; initiates set points and operational changes; monitors alarms and responds promptly with the necessary repairs; assists personnel to meet test requirements; responsible for ongoing review and maintenance of facility equipment operating procedures; maintains bench-stock of spare parts and supplies; wears appropriate PPE when required.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. 50% of all levels combined shall possess a Maryland State HVAC Journeyman's License or equivalent.
4. 50% of all levels combined shall possess a Refrigerant Transition and Recovery Certification
5. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
4. 5. Shall possess a license to operate forklift(s) and other required support equipment.

**Technician I (2424) Maritime and Threat Detection (MTD)**

Performs technical work in support of Maritime, Emerging Threats, and Threat Detection testing supporting marine vessels/components, commercial aircraft, and other systems. Work includes test set up, tear-down, gathering test data, operating instrumentation devices from detailed procedures. Supports operations at the UTF, Briar Point, LWE, AB ranges, and Spesutie Island detection site. Utilizes knowledge in marine railway operations, line handling, boat/water operations, and aircraft vulnerability testing and repairs. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting; may occasionally operate weapons or handle explosive devices; uses hand tools; performs tasks or tests on equipment or devices to determine suitability; operates and repairs maritime vessels and aircraft components in support of Navy, TSA, FAA, and DHS; operates and adjusts test equipment and records test data; gathers and maintains specified records of engineering data such as tests, drawings, etc. Sets up, adjusts

and is responsible for the operation of various pieces of electronic instrumentation. Coordinates the work of other personnel as required.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician I (2424) Material and Measurements (Material)**

Responsible for providing engineering technician support in the area of ballistics, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of engineering problems. Such projects and problems are characterized by the need to establish and assess the adequacy of design treatment, to develop solutions for a variety of non-recurring problems in instrumentation and measurement, and to anticipate future needs and trends or explore the possibility of new approaches to overcome current engineering limitations or find solutions to continuing problems. Such work requires knowledge of and competence in mechanical engineering principles and techniques as well as general knowledge of related mathematics and other engineering disciplines such as electrical/electronic and a technical knowledge of computer systems programming and analysis necessary to develop effective programs. Responsible for the following duties: develops tests and methods, searching all pertinent literature and references; studies the behavior, properties, mechanics, design and analysis of materials, vehicles, and weapons, evaluates possible approaches and methods to use; devises, modifies, performs or directs tests; evaluates and interprets data and prepares written report which summarizes the test methods, uses and limitations, and provides recommendations and conclusions. Performs visual inspection, magnetic particle testing, eddy current, liquid penetration, ultrasonic, industrial radiography; measurements using scopes, gauges, and a full range of mechanical and computerized and electronic measurement equipment; inspection, dimensioning, and tolerances. Examples of work assignments in this area and within scope and complexity is the development and performance of ballistic measurements evaluation techniques for vulnerability tests of armored vehicles, development of techniques involving detection, visual and optical measurement, and analysis of damage to combat vehicles/equipment from applications of a variety of attack criteria related to the activity's Vulnerability/ Survivability Testing Program, perform back face deformation measurements, uses copper crusher gages for ballistic measurement to assess the peak pressure of artillery weapons, and operates portable coordinate measuring machines. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and

procedures. Requires competence in use of portable coordinate measuring machine, chamber pressure measurement gauges, and visual and optical measurements using optical instrument.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess FARO CAM2, FARO ScanArm and GeoMagic, and PolyWorks training.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician I (2424) Mobile Equipment Tester (MET)**

Performs a variety of tasks associated with all phases of endurance and performance testing of Military and Commercial vehicles and equipment. Resolves problems, provides guidance, to include specific job techniques and safety considerations, and inspects completed work for quality and consistency. Uses judgment and initiative to evaluate testing requirements to determine the best possible approach or action to take in non-routine situations and make recommendations to the Test Officer or engineer. Interprets, adapts, and enforces guidelines, including unwritten policies, precedents, and practices, that are not always completely applicable to changing situations. Operates items in conditions such as rain, mud, snow, and dust and on a wide variety of surfaces, such as gravel, paved, Belgian block, slopes, and vertical walls. Tasks support testing combat support vehicles, equipment systems, and related components. Operates wheeled vehicles, tracked vehicles, engineering vehicles, special purpose vehicles, material handling equipment, bridge boats/floating bridges, amphibious vehicles, etc. Operates tactical communication equipment. Performs operator level maintenance, conducted both in the field and at various maintenance facilities, such as operator level preventive maintenance checks and services (PMCS) as well as any other operator level maintenance, in accordance with appropriate/approved guidance. Configures vehicles with appropriate payloads and conducts general walk-around safety inspections of vehicles or equipment. While assigned vehicles or equipment are being repaired or serviced, assists mechanics in performing a higher echelon of maintenance as required in accordance with appropriate/approved guidance or performs housekeeping. Records test data on Electronic Maintenance Log. Operates onboard computers, software, and other related technology. Performs uploading and downloading procedures for software and computer applications and begins initial data manipulation and evaluation. Reviews data for technical accuracy. Installs and/or operates sensitive data collection instrumentation, vehicle system training simulators/devices, thermocouples, and pressure transducers necessary to collect, process, store, or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Coordinates efforts to maintain, calibrate, troubleshoot, diagnose, repair, and appropriately document issues relating to electrical/electronic systems and components, communications equipment, instrumentation, and any like or related items when failures occur in accordance with the appropriate manuals and test objectives. Performs periodic evaluations of testing and inspects equipment. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Plans, coordinates, and provides on-the-job training, technical advice, and assistance to various Government agencies, peers, and subordinates as required. Plans and coordinates development, analysis, and provision of technical input as required for documentation and training. Reviews, analyzes, and integrates the technical work of others. Prepares data in designated formats. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat support vehicles and equipment. Licensed to operate all test and support equipment relevant to duties.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL)
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.

**Technician I (2424) Multimedia**

Creates, edits, and outputs computer graphics for use in print and on-screen presentation. Supports operation of conference rooms and video teleconferencing facilities as well as presentation of laptop-based down-range briefings. Duplicates and labels CDs and DVDs and operates matte cutting, mounting, laminating and framing equipment. Performs video editing, classification marking and compression and web site maintenance. Understands a broad range of digital graphics file formats (.jpg, gif, .tif, .png, etc.). Designs and integrates graphics, video, and audio into interactive media. Compiles creative and technical video projects that incorporate music, sound effects, narration, and multiple video layers and graphics to create a video that presents a concept or emotion in abstract visuals using industry standard software.

Authors disc and web-based applications, interactive applications, including scripting using industry standard applications. Performs web site management and maintenance, including scripting (html, CSS, JavaScript, XML or similar). Integrates many types of data assets, including video, 3D elements, animations and spreadsheets, into interactive disc and web-based applications and videos.

Designs, creates, and animates 3D models from a variety of source materials, including CAD files, photos, and mechanical drawings, using industry standard software (3DS Max, Lightwave, Maya, etc.). Develops interactive data, graphic, and information visualization applications, employing scripting languages such as HTML5, CSS, JavaScript, and AppleScript when required. Develops new capabilities and workflows to enhance the acquisition and presentation of visual test data and processing of test assets.

Responsible for the customer interaction, concept development, time and workflow management, allocation of tasks, and outcome of multiple video, 3D or interactive application projects simultaneously. Proactively resolves technical, interpersonal, creative and logistical issues of assigned projects. Accepts primary responsibility for the fulfillment of mission critical requirements such as overseeing control of classified assets and management of test data processing and delivery workflows.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

**Technician I (2424) Nondestructive Testing (NDT)**

Evaluates and inspects to applicable standard procedures, and criteria, and makes minor adaptations and modifications. Performs a project assignment that involves complex features and can be guided by codes, standards, and other precedents of the discipline; analyzes and/or evaluates the results of an inspection using techniques prescribed applicable TMs and standards; and accomplishes tasks of which require investigation of many variables.

Provides NDT support in the area of large and small caliber weapon systems, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of test items. Such projects and problems are characterized by the need to establish and assess the safety and/or condition of the test item, to verify proof acceptance criteria, and to provide reliable test support. Such work requires knowledge of at least one of the major NDT methods (MT, ET, RT, UT) and NAS-410 certification. Follows standard inspection procedures, develops new procedures (when necessary), knowledge of material characteristics; especially as related to weapon systems and vehicles, evaluates possible approaches and methods to use; devises, modifies, performs or directs inspections; evaluates and interprets data and prepares written report which summarizes the test methods, and provides recommendations and conclusions. Develop and perform NDT evaluation methods for large caliber proof acceptance tests, develop methods to determine the adequacy, correct type and method for inspecting small caliber weapon systems, and determining inspection method requirements for unique test items. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess National Aerospace Standard-410 (NAS-410) certification.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician I (2424) Optical Instrumentation (Op Ins)**

Performs outdoor/indoor plant cable installation and cable preparation tasks, such as installation of transmit/receive instrumentation, and stripping protective covers and shielding away from fiber optic and copper core center cables. Outside plant work will include work on telephone poles, in manholes, installing messenger cable, lashing fiber optic cable to the messenger, working with self-supporting cable, installing outdoor cable in a conduit system to include the installation of pulling cord, clearing/cleaning conduit, and pulling fiber optic cables into the building. Installation of indoor cable shall include working with multimode and single mode plenum and riser cables, current category Ethernet, and mounting/anchoring them to stay in position. Works with Category 5 & 6 cables, Fiber Distribution Centers (FDC), fiber optic Intra-building and Inter-building design, installation and troubleshooting. Performs trouble-shooting and installations on all kinds of security surveillance systems, microwave systems, RF systems, CCTV Video and Audio Systems and fiber optic networks. Proficient in video and still camera operation and is proficient in the inter-relationships of the camera and wiring circuits including setup and operation of the termination and tests equipment. Uses electronic troubleshooting instrumentation such as multi-meters and fiber optic power meters in order to troubleshoot and repair breaks in all types of signal transmission media to include RG58, RG59, single and multi-mode fiber cables, current category Ethernet patch cables, and audio cables. Proficient in the connector types, preparation techniques for splices and connector instrumentation such as fiber optic fusion, splicers and mechanical cam-splices. Performs OTDR testing to determine cable loss, cable length, and

problems within the cable. Performs RJ45 testing to include checking the cable for shorts, crosstalk, incorrect terminations, and noise. Selects material required, and adapts plans, techniques or layouts of buildings or test ranges to best perform installations. Contacts personnel in related activities to resolve problems and help coordinate the work; reviews, analyzes, and integrates the technical work of others. Plans or assists in planning of Inter-building and Intra-building fiber optic installs, CCTV Systems and security surveillance systems to include both video and audio components. Performs inventory management and prepares supply requests. Work is reviewed for compliance with accepted practices.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

**Technician I (2424) Power Systems (Formerly GTS)**

Plans, coordinates, and conducts efforts necessary to perform a variety of tasks associated with testing power generation systems, to include operating and maintaining equipment. Devises approaches to accomplish work, resolve operational problems, and make decisions in situations where standard methods, procedures, and techniques may not be applicable. Works with engineers/testing personnel to set up tests that properly adhere to correct test operating procedures and military standards. Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include detailed circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electrical power generation and distribution test procedures; sets up and operates equipment; records data. Operates and transfers information from the data acquisition equipment in support of reliability and performance testing of electrical power generation and distribution equipment. Coordinates efforts necessary to ensure testing is accomplished in accordance with appropriate/approved test plans, manuals, policies, and regulations to achieve test objectives. Installs and operates sensitive data collection instrumentation, mobile power generation system devices, and maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Performs one or a combination of typical duties, such as proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. Establishes circuit interrupter, maximum power, fuel consumption, and other specialized tests and processes the data in accordance with well-defined methods and designated formulas. Analyzes and presents various test data in accordance with established methods. Effectively operates power generation system computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Develops or reviews designs of test fixtures and/or components using sound technical principles. Troubleshoots and corrects malfunctions. Prepares all or portions of Job Hazard Analyses, Risk Assessments, Detailed Test Plans, and Final Reports for testing.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. 80% of all levels combined shall possess a license to operate forklift(s) and other required support equipment.
4. 50% of all levels combined shall possess Overhead Bridge Crane operator license.
5. Shall possess Crane Car Operator license.
6. 10% of all levels combined shall possess a Class A Commercial Driver's License (CDL).

7. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

#### **Technician I (2424) Small Arms Technician (SAT)**

Performs technical work involving Small Arms Systems, which requires the ability to select and adapt established methods, procedures and techniques relative to small and medium caliber weapons system testing. Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, weapon maintenance, and facility operation. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Fabricates targets, emplaces test stands, sets up and operates instrumentation, operates and maintains specialized facility equipment such as mounts, boresights, quadrants, environmental conditioning chambers, and air filtration systems. Responsible for transportation/stowage of equipment and ammunition to/around the test site, disassembly/demilitarization of target materials, firing of weapons, operation of tools, vehicles, and equipment, recording of test data, recording of test procedures and data, review of data records and reports for accuracy, trends, and procedure improvements, and collecting data from ballistic instrumentation.

##### Qualifications:

1. Must have 1 yr. applicable experience firing weapons or equivalent test and evaluation range experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

#### **Technician I (2424) Survivability**

Performs technical work in support of Survivability/Lethality testing to include supporting the planning, execution, and reporting of R&D, production, and product assurance tests related to the ballistic survivability/lethality of military and commercial armored vehicles, equipment, and their related subsystems and/or survivability enhancements. Supports assignments relating to the vulnerability testing of armor targets, ballistic hulls and turrets, operational vehicles, and equipment as well as lethality testing of munitions and weapon systems. Supports projects ranging from private industry tests for commercial customers to Congressionally mandated Title 10 Live Fire Test and Evaluation (LFT&E) programs. Employs methods, procedures, and techniques that, on occasion, may require modification from the standard. Some tasks of significant complexity sometimes require advice/assistance from the supervisor/test engineer. Work is reviewed by the supervisor/test engineer for technical adequacy and conformity with instructions. Supports tests and experiments that use a wide variety of test equipment, instrumentation, and procedures at various test ranges. Supports pre/post-test checks to verify target configuration/functionality and test setup is in accordance with the test plan and will meet test objectives. Collects data, performs target damage assessments, and monitors target disassembly/repair. Documents test data in an appropriate format. Utilizes a variety of data from field notes, manuals, lab reports, photographs and video, etc., and processes and organizes that data, identifying errors or inconsistencies, to consolidate test results and compile summary information. Data is analyzed through comparison to system design specifications. Interacts with customers, integrated product team members, and other T&E professionals in a positive and professional manner using effective verbal and written communications.



Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.

**Technician I (2424) Warfighter Systems Technician (WST) (Formerly SS)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of support equipment and soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or for conformity with instructions. Performs and/or assists the Test Officer or Senior Engineer with testing associated with transportability, construction and material handling equipment, tactical bridging, watercraft, petroleum and water systems, power generation and distribution systems, tactical hard and soft shelters, sensors and detection systems, foreign military items, Soldier protection and individual equipment, force protection and sustainment systems and integrated Soldier systems. May be required to provide appropriate guidance and direction to other technicians. May be responsible for coordination, resourcing, and execution of subsections of tests or whole tests under the direction of the Senior Test Officer or Engineer.

Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of equipment test procedures; sets up and operates equipment; records data.

Conducts various tests or experiments which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications.

Drives/operates support vehicles, test items and related equipment/instrumentation as needed for functional and performance data, logistics and related tasks. Services, repairs/adjusts, modifies or calibrates instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors.

Installs and/or operates sensitive data collection instrumentation, test item devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations.

May perform one or more typical power generation system test duties such as: Proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. May establish circuit interrupter, maximum power, fuel consumption, and other specialized tests, and process the data in accordance with well-defined methods and designated formulas.

May perform one or more of the following system transportability test duties: Rigs systems and equipment for crane and helicopter lift, restraint in or aboard commercial and military cargo carriers, and tensile proof loading.

May present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed.

May perform such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL).
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess Overhead Bridge Crane Operator License.
7. Shall possess Crane Car Operator License.
8. 25% of all levels combined shall possess NCCO Rigger certification.
9. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician I (2424) Soldier System Technician (SST) (Formerly SSTX)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed. Performs and/or assists the Test Officer or Senior Engineer with testing associated with Soldier protection and individual equipment and integrated Soldier systems. Participates and may present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed. Performs one or a combination of such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Creates and maintains databases, orders materials and equipment through appropriate procedures. May service, repair/adjust, modify or calibrate instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods including algebra and geometry; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications. Maintains and organizes work areas. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.

2. Shall possess basic computer skills.

**Technician I (2424) Vulnerability/Lethality Technician (VLT)**

Performs technical work in support of Survivability/Lethality testing. Applies established methods, procedures, and techniques relative to vulnerability testing of vehicles and their subsystems and lethality testing of munitions and weapon systems. Performs test setup, test execution, test teardown, test item disposition, and facility operation. Completes tasks that relate to assembly/construction/setup of targets, target stands, arenas, soil test pits, and witness packs; installation of armors, stowage, fire suppression, or basic instrumentation on target vehicles; pre-post shot checks of vehicles; operation and maintenance of specialized facility equipment such as range fire suppression systems, air filtration systems, oil/water separators, fireball generator, soil density and moisture gauges, and ballistic sled tracks; transport of equipment, stowage, and ammunition to/around the test site; disassembly/demilitarization of targets; operation of tools, vehicles, equipment, and weapons; recording of test data; small arms ammunition loading. Supports operations at various Survivability/Lethality Directorate test ranges or may be assigned to a specific test facility (i.e., AA-5, Fords Farm, etc.).

Qualifications:

1. Must have 1 yr. of applicable experience or completion of formal training.
2. Shall possess basic computer skills.
3. 75% of all levels combined shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% of all levels combined shall possess an Ammunition Certification Level I with a C endorsement within 6 months of employment.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess a Crane License for 15 Ton cranes and below within 6 months of employment.
7. Shall possess a clearance for unaccompanied access to Arms, Ammunition and Explosives (AA&E) within 6 months of employment.
8. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician II (2424)**

**Technician II (2424 CBA)**

**Job Description**

**Technician II (2424) Armaments and Munitions Technician (AMT)**

Performs technical work in support of Armaments and Munitions, which requires the ability to select and adapt established methods, procedures, and techniques relative to the testing of large caliber ( $\geq 40$ -mm) weapon systems, accessories and ammunition, mine and counter mine systems, munition fragmentation and hazard classification, mortars, recoilless rifles, and non-lethal systems (i.e., flash-bang device, beanbag, personnel and vehicle restraint systems, etc.). Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, range maintenance, and facility operation independently. Extracts information

from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Operates and sets up weapon, to include firing, weapon maintenance, operator level ammunition inspection, assembly/construction/setup of targets, target stands, fragmentation arenas, and witness packs. Installs basic instrumentation on test items and targets. Operates and maintains specialized facility equipment, such as mounts, muzzle and breech scopes/sights, quadrants, pressure gauges, survey equipment, rigging, weapon firing mechanisms, fragmentation collection, cleaning and characterization equipment, and weapon and ammunition accountability systems. Transports equipment, stowage, and ammunition to/around the test site. Disassembles/demilitarizes targets. Operates tools, vehicles, and equipment. Collects data from ballistics instrumentation (i.e., video scoring, velocity measurement, flash x-ray, etc.). Records test procedures and data, and reviews data records and reports for accuracy, trends, and procedure improvements.

Qualifications:

1. Must have 3 yr. applicable experience firing weapons or equivalent test and evaluation range experience or completion of formal training. or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

**Technician II (2424) Ballistics Instrumentation (BI)**

Conducts test projects in coordination with engineers and test officers involving: techniques related to manufacturing and testing ballistic-specific cables and ballistic electronic circuits; troubleshooting ballistic transducers; assembles and troubleshoots anthropomorphic test devices. Operates and troubleshoots systems such as Count-down Automated Procedures (CAP); ballistic data acquisition systems; high energy detonation systems; virtual scoring systems and Doppler radar. Installs and troubleshoots transducers and ballistic data acquisition systems by interpreting ballistic test data. Processes the data according to well-defined methods and designated formulas. Plans how to accomplish assignments in the most efficient and economical manner, according to a test plan, test procedure, reference documents, and precedents. Selects and adapts methods and procedures to unique situations. Performs inventory management and prepares supply requests.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

Specific Equipment Requirements for each Contractor Manyear Equivalent:

Ballistics Technician Toolkit:

Description	Part Number
Home Depot (or equivalent) 17 In. Open Tool Tote With Rotating Handle	
Plato Big Shear Heavy Duty Wire/Cable Cutters	1755

6-Pc. Precision Screwdriver Set Esdsafe	XP600; 15771
Adjustable Wrench, 8 In., Black, Plain	577-708S
Digital Multimeter, 10a, 50 Mohms, 1000v	Fluke-87-V
Adjustable Wrench 4"	ARM28-404
Pro Crimper Multimate	58495-1; AP584951
Curve Wire Strip/Cutter 12-20 Awg	11055
Screwdriver Set,Slit & Phl 7 Pc	XPE700
STANLEY FATMAX Tape Measure Metric/English 8m/26ft	33-726
Ninety Degree Pick	PSP-4C
Standard 741 ALLEN WRENCH SET	023-56152
Cable Tie Removal Tool	MG1300
Metric Allen Set	023-56085
Pointed Needle Nose	586-2078955
Long Needle Nose	NN7776G
IRWIN Vice Gripes	10CRFR
Electricians Hammer	807-17
Small Flashlight	MGLM2A016
Crimper,Kwik Cycle Rg58/59/62	PA1363
Wire Stripper-Cutter, For 20-30 Awg...	KLE 11057
Dewalt Folding Retractable Blade	DWHT10035L
Multitool Gerber	22-01545
Channel Locks 10"	GL10
Channel Locks 12"	GL12
Wall Lenk Pro-Torch 500 Micro Torch	301462-LPT-500
Butane Solder Iron For Field Repair	LSP-60-1
Scissors, Electrician's	KLE-2100-7

### **Technician II (2424) Data Systems**

Performs assignments involving computer hardware, software, network and storage functionality, with emphasis on computer/camera compatibility and communication. Follows standard work methods on assignments. Shall possess computer hardware skills, such as installing and configuring peripheral devices. Ability to troubleshoot network problems using utilities such as ipconfig, ping, and tracert. Ability to use multi-tester and network testing equipment. Working knowledge of MAC, Windows, and Linux operating systems and their interoperability. Ability to troubleshoot MAC, Windows, and Linux Operating Systems and software. Must be able to apply the Open System Interconnection (OSI) model and its relationship to troubleshooting. Proficient in video compression techniques; VMware virtualization software; and Active Directory or OpenLDAP. Ability to operate an oscilloscope and pulse generator; write simple scripts and or code; and recover data from storage mediums such as but not limited to SD, CF cards and hard drives. Management of system administration of MAC and other information systems in accordance with DOD and US Army policies, or applicable IA standards. Proficient with streaming video software and hardware; high speed and ultra-high speed camera systems including the synchronization of multiple disparate data systems, frame timing, and digital and analog signals; and diagnosing high speed camera systems including setup, triggering, and digital imaging.

Understands transmission mediums such as copper and fiber. Working knowledge of IRIG and NTP time codes. Ability to plan projects and present technical data in written reports.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

**Technician II (2424) Environmental**

Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations. Work requires a thorough knowledge of ammunition recognition and ammunition safety protocols. Responsible for planning and conducting a block of work which is a complete conventional project of relatively limited scope or a portion of a larger project. Works in the transportation, segregation, packaging and disposal of MPPEH. Determines correct demilitarization codes and performs demilitarization of MPPEH items. Duties and responsibilities include: prepares MPPEH documents and acts as a "Certifier" for MPPEH safety assessments; prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensures work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; prepares, reviews and coordinates environmental disposition documents for testing activities; evaluates potential impacts of tests and site selection; recommends pollution prevention initiatives and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized test facilities, ranges, and equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports. Responsible for determining disposition of MPPEH items with an emphasis on recycling and reuse whenever appropriate. Ensures that all parts of the MPPEH operations minimize impact to the environment to include scrap metal storage, refuse accumulation and storage, refueling activities, metal cutting activities, equipment storage and maintenance activities.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

### **Technician II (2424) Flash X-Ray**

Performs flash X-ray set up and system operation. Assignments involve procedures and techniques related to proper sequence of powering up and presetting instrumentation, pneumatic systems, and high voltage circuits. Proper sequence of powering up and set up of digital scanning systems, emplacement of film cassettes in accordance with predetermined fiducial markers; proper techniques for loading/unloading of storage phosphor screens from blast cassettes; and proper techniques for loading, scanning, and clearing storage phosphors through digital scanning systems. Knowledge of fiducial systems and geodetic survey techniques to complete initial set up and/or rebuild/repair of test fixtures including film plane and tube head alignment. Uses mathematical formulas and trigonometric principles to calculate pitch, yaw, and velocity of various test projectiles. Designs required test fixtures for specific test functions. Attends planning meetings to determine test requirements, personnel, and logistics. Determines requirements for flash X-ray system and fixture design according to verbal or written communication from test officers or test sponsors for range set up. Communicates with test sponsor and test officer to ensure data quality and timely test completion. Designs and creates working drawings for flash X-ray test fixtures, film planes, tube head mounts, bomb proofs, etc. Designs and fabricates film and blast cassettes from wood, poly, and hardware using common hand, power, and shop tools. Required to repair/rebuild flash X-ray pulsars including troubleshooting of high voltage circuits using factory manuals, meters, probes, and specialized tools. Maintains equipment calibration and expendable supply levels. Specifies future equipment requirements for X-ray testing. Follow set procedures for data collection, storage, archiving, and delivery to customer. Reviews test data to ensure accuracy and quality.

#### Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess Flash X-ray technology, systems, and imaging training/Seminar.
4. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

### **Technician II (2424) Geodetics (GEO)**

Serves as a geodetic technician and is responsible for geodetic surveys which involve the collection and processing of surveying and mapping data based on established well-defined criteria, where procedures are established. Serves under the supervision of an employee of higher grade who assigns the specific area of responsibility and relies upon the employee to independently select, interpret and apply technical guidelines. Routine work is performed independently. Unique, unusual, or developmental work shall be performed under the supervision of a higher-level employee. Analyze obscure field data, operate as a fact-finder in which tentative evaluations are provided, provide data for several different datum's and grid systems where field data is frequently vague, fragmented, and inaccurate or modified with new data. Performs a variety of routine surveying duties to accuracies specified by the Customer and or National Geodetic Survey/ National Oceanic and Atmospheric Administration in establishment of range tables, firing positions, hit points, radar and instrumentation locations, fiducial marker placement, lines of fire, scoring system calibration, and control points where knowledge of the use of surveying instruments and of operating techniques are required. Supports the execution of stake-outs, installation of surveying monuments or surveying controls. Supports comprehensive topographic surveys or level runs. Supports a variety of high definition survey (3D laser scanning) duties to include data collection and processing of test vehicles and items of

varying sizes, complexity and conditions. Scanning requirements shall vary greatly in terms of accuracy, difficulty and level of detail. Operate various laser scanning equipment with assistance of higher-level employee. Operate various software packages for post-scan processing of collected data. Download collected data, import high definition survey scans into processing software, register scans, check accuracy, manipulate and improve point cloud with assistance of higher-level employee. Responsible for selection, setup and adjustment and operation of various pieces of electronic instrumentation. Collect and tabulate data, record and archive information and author daily reports. Work may require entering confined spaces, climbing in or under vehicles and traversing adverse terrain. Adapt to rapidly changing operational tempo and new procedures. Work is reviewed for overall adequacy and accuracy of services provided, satisfactory execution of the job and conformance with instructions. Pending on mission requirements, work may predominantly be performed outdoors where there are regular and recurring exposures to all kinds of weather conditions. Work requires the use of protective equipment and clothing. Requires the ability to carry loads/heavy equipment (up to 50 lbs.). Other duties as assigned. May require overtime work (25-30% of the time) or TDY if testing is performed in areas away from the installation (25-30% of the time).

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

**Technician II (2424) Heavy Combat (HVY CMBT)**

Performs a variety of duties concerned with the testing of Heavy Combat Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Combat System testing. Provides programmatic test support and coordination for support of Heavy Combat Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

**Technician II (2424) Heavy Tactical (HVY TACT)**

Performs a variety of duties concerned with the testing of Heavy Tactical Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Tactical System testing.



Provides programmatic test support and coordination for support of Heavy Tactical Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL).

**Technician II (2424) Light Armor (LA)**

Performs a variety of duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial HVAC equipment. Responsibilities include but are not limited to the following: operates temperature controlled indoor firing ranges that use multiple types of refrigerants and equipment to maintain critical temperature and humidity test requirements; monitors/controls the facility support equipment using automated control workstations; performs control setups, instrumentation monitoring and general instrument operations; assists in setting up data acquisition systems to record/retrieve/report data; performs facility test operations, preventive maintenance, repairs and visual inspections on all equipment; interprets and troubleshoots blue prints, drawings, diagrams and schematics; assists technicians from private industry during large repairs or modifications; operates indoor range HVAC equipment from a PC-based workstation; accesses range test environment information; initiates set points and operational changes; monitors alarms and responds promptly with the necessary repairs; assists personnel to meet test requirements; responsible for ongoing review and maintenance of facility equipment operating procedures; maintains bench-stock of spare parts and supplies; wears appropriate PPE when required.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 50% of all levels combined shall possess a Maryland State HVAC Journeyman's License or equivalent.
5. 50% of all levels combined shall possess a Refrigerant Transition and Recovery Certification

6. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
7. 5. Shall possess a license to operate forklift(s) and other required support equipment.

#### **Technician II (2424) Maritime and Threat Detection (MTD)**

Performs technical work in support of Maritime, Emerging Threats, and Threat Detection testing supporting marine vessels/components, commercial aircraft, and other systems. Work includes test set up, tear-down, gathering test data, operating instrumentation devices from detailed procedures. Supports operations at the UTF, Briar Point, LWE, AB ranges, and Spesutie Island detection site. Utilizes knowledge in marine railway operations, line handling, boat/water operations, and aircraft vulnerability testing and repairs. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting; may occasionally operate weapons or handle explosive devices; uses hand tools; performs tasks or tests on equipment or devices to determine suitability; operates and repairs maritime vessels and aircraft components in support of Navy, TSA, FAA, and DHS; operates and adjusts test equipment and records test data; gathers and maintains specified records of engineering data such as tests, drawings, etc. Sets up, adjusts and is responsible for the operation of various pieces of electronic instrumentation. Coordinates the work of other personnel as required.

#### Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

#### **Technician II (2424) Material and Measurements (Material)**

Responsible for providing engineering technician support in the area of ballistics, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of engineering problems. Such projects and problems are characterized by the need to establish and assess the adequacy of design treatment, to develop solutions for a variety of non-recurring problems in instrumentation and measurement, and to anticipate future needs and trends or explore the possibility of new approaches to overcome current engineering limitations or find solutions to continuing problems. Such work requires knowledge of and competence in mechanical engineering principles and techniques as well as general knowledge of related mathematics and other engineering disciplines such as electrical/electronic and a technical knowledge of computer systems programming and analysis necessary to develop effective programs. Responsible for the following duties: develops tests and methods, searching all pertinent literature and references; studies the behavior, properties, mechanics, design and analysis of materials, vehicles, and weapons, evaluates possible approaches and methods to use; devises, modifies, performs or directs tests; evaluates and interprets data and prepares written report which summarizes the test methods, uses and limitations, and provides recommendations and conclusions. Performs visual inspection, magnetic particle testing, eddy current, liquid penetration, ultrasonic, industrial radiography; measurements using scopes, gauges, and a full range of mechanical and computerized and electronic measurement equipment; inspection, dimensioning, and tolerances.

Examples of work assignments in this area and within scope and complexity is the development and performance of ballistic measurements evaluation techniques for vulnerability tests of armored vehicles, development of techniques involving detection, visual and optical measurement, and analysis of damage to combat vehicles/equipment from applications of a variety of attack criteria related to the activity's Vulnerability/ Survivability Testing Program, perform back face deformation measurements, uses copper crusher gages for ballistic measurement to assess the peak pressure of artillery weapons, and operates portable coordinate measuring machines. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures. Requires competence in use of portable coordinate measuring machine, chamber pressure measurement gauges, and visual and optical measurements using optical instrument.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess FARO CAM2, FARO ScanArm and GeoMagic, and PolyWorks training.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician II (2424) Mobile Equipment Tester (MET)**

Performs a variety of tasks associated with all phases of endurance and performance testing of Military and Commercial vehicles and equipment. Resolves problems, provides guidance, to include specific job techniques and safety considerations, and inspects completed work for quality and consistency. Uses judgment and initiative to evaluate testing requirements to determine the best possible approach or action to take in non-routine situations and make recommendations to the Test Officer or engineer. Interprets, adapts, and enforces guidelines, including unwritten policies, precedents, and practices, that are not always completely applicable to changing situations. Operates items in conditions such as rain, mud, snow, and dust and on a wide variety of surfaces, such as gravel, paved, Belgian block, slopes, and vertical walls. Tasks support testing combat support vehicles, equipment systems, and related components. Operates wheeled vehicles, tracked vehicles, engineering vehicles, special purpose vehicles, material handling equipment, bridge boats/floating bridges, amphibious vehicles, etc. Operates tactical communication equipment. Performs operator level maintenance, conducted both in the field and at various maintenance facilities, such as operator level preventive maintenance checks and services (PMCS) as well as any other operator level maintenance, in accordance with appropriate/approved guidance. Configures vehicles with appropriate payloads and conducts general walk-around safety inspections of vehicles or equipment. While assigned vehicles or equipment are being repaired or serviced, assists mechanics in performing a higher echelon of maintenance as required in accordance with appropriate/approved guidance or performs housekeeping. Records test data on Electronic Maintenance Log. Operates onboard computers, software, and other related technology. Performs uploading and downloading procedures for

software and computer applications and begins initial data manipulation and evaluation. Reviews data for technical accuracy. Installs and/or operates sensitive data collection instrumentation, vehicle system training simulators/devices, thermocouples, and pressure transducers necessary to collect, process, store, or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Coordinates efforts to maintain, calibrate, troubleshoot, diagnose, repair, and appropriately document issues relating to electrical/electronic systems and components, communications equipment, instrumentation, and any like or related items when failures occur in accordance with the appropriate manuals and test objectives. Performs periodic evaluations of testing and inspects equipment. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Plans, coordinates, and provides on-the-job training, technical advice, and assistance to various Government agencies, peers, and subordinates as required. Plans and coordinates development, analysis, and provision of technical input as required for documentation and training. Reviews, analyzes, and integrates the technical work of others. Prepares data in designated formats. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat support vehicles and equipment. Licensed to operate all test and support equipment relevant to duties.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL)
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.

**Technician II (2424) Multimedia**

Creates, edits, and outputs computer graphics for use in print and on-screen presentation. Supports operation of conference rooms and video teleconferencing facilities as well as presentation of laptop-based down-range briefings. Duplicates and labels CDs and DVDs and operates matte cutting, mounting, laminating and framing equipment. Performs video editing, classification marking and compression and web site maintenance. Understands a broad range of digital graphics file formats (.jpg, gif, .tif, .png, etc.). Designs and integrates graphics, video, and audio into interactive media. Compiles creative and technical video projects that incorporate music, sound effects, narration, and multiple video layers and graphics to create a video that presents a concept or emotion in abstract visuals using industry standard software.

Authors disc and web-based applications, interactive applications, including scripting using industry standard applications. Performs web site management and maintenance, including scripting (html, CSS, JavaScript, XML or similar). Integrates many types of data assets, including video, 3D elements, animations and spreadsheets, into interactive disc and web-based applications and videos.

Designs, creates, and animates 3D models from a variety of source materials, including CAD files, photos, and mechanical drawings, using industry standard software (3DS Max, Lightwave, Maya, etc.). Develops interactive data, graphic, and information visualization applications, employing scripting languages such as HTML5, CSS, JavaScript, and AppleScript when required. Develops new capabilities and workflows to enhance the acquisition and presentation of visual test data and processing of test assets.

Responsible for the customer interaction, concept development, time and workflow management, allocation of tasks, and outcome of multiple video, 3D or interactive application projects simultaneously. Proactively resolves technical, interpersonal, creative and logistical issues of assigned projects. Accepts primary responsibility for the fulfillment of mission critical requirements such as overseeing control of classified assets and management of test data processing and delivery workflows.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

**Technician II (2424) Nondestructive Testing (NDT)**

Evaluates and inspects to applicable standard procedures, and criteria, and makes minor adaptations and modifications. Performs a project assignment that involves complex features and can be guided by codes, standards, and other precedents of the discipline; analyzes and/or evaluates the results of an inspection using techniques prescribed applicable TMs and standards; and accomplishes tasks of which require investigation of many variables.

Provides NDT support in the area of large and small caliber weapon systems, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of test items. Such projects and problems are characterized by the need to establish and assess the safety and/or condition of the test item, to verify proof acceptance criteria, and to provide reliable test support. Such work requires knowledge of at least one of the major NDT methods (MT, ET, RT, UT) and NAS-410 certification. Follows standard inspection procedures, develops new procedures (when necessary), knowledge of material characteristics; especially as related to weapon systems and vehicles, evaluates possible approaches and methods to use; devises, modifies, performs or directs inspections; evaluates and interprets data and prepares written report which summarizes the test methods, and provides recommendations and conclusions. Develop and perform NDT evaluation methods for large caliber proof acceptance tests, develop methods to determine the adequacy, correct type and method for inspecting small caliber weapon systems, and determining inspection method requirements for unique test items. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess National Aerospace Standard-410 (NAS-410) certification.
4. Shall possess a license to operate forklift(s) and other required support equipment.

5. Shall possess Overhead Bridge Crane Operator License.

### **Technician II (2424) Optical Instrumentation (Op Ins)**

Performs outdoor/indoor plant cable installation and cable preparation tasks, such as installation of transmit/receive instrumentation, and stripping protective covers and shielding away from fiber optic and copper core center cables. Outside plant work will include work on telephone poles, in manholes, installing messenger cable, lashing fiber optic cable to the messenger, working with self-supporting cable, installing outdoor cable in a conduit system to include the installation of pulling cord, clearing/cleaning conduit, and pulling fiber optic cables into the building. Installation of indoor cable shall include working with multimode and single mode plenum and riser cables, current category Ethernet, and mounting/anchoring them to stay in position. Works with Category 5 & 6 cables, Fiber Distribution Centers (FDC), fiber optic Intra-building and Inter-building design, installation and troubleshooting. Performs trouble-shooting and installations on all kinds of security surveillance systems, microwave systems, RF systems, CCTV Video and Audio Systems and fiber optic networks. Proficient in video and still camera operation and is proficient in the inter-relationships of the camera and wiring circuits including setup and operation of the termination and tests equipment. Uses electronic troubleshooting instrumentation such as multi-meters and fiber optic power meters in order to troubleshoot and repair breaks in all types of signal transmission media to include RG58, RG59, single and multi-mode fiber cables, current category Ethernet patch cables, and audio cables. Proficient in the connector types, preparation techniques for splices and connector instrumentation such as fiber optic fusion, splicers and mechanical cam-splices. Performs OTDR testing to determine cable loss, cable length, and problems within the cable. Performs RJ45 testing to include checking the cable for shorts, crosstalk, incorrect terminations, and noise. Selects material required, and adapts plans, techniques or layouts of buildings or test ranges to best perform installations. Contacts personnel in related activities to resolve problems and help coordinate the work; reviews, analyzes, and integrates the technical work of others. Plans or assists in planning of Inter-building and Intra-building fiber optic installs, CCTV Systems and security surveillance systems to include both video and audio components. Performs inventory management and prepares supply requests. Work is reviewed for compliance with accepted practices.

#### Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. Shall possess professional training, with certificate, in the area of Fiber Cable Termination Practices.
4. 50% - Shall possess Fiber Optic Installation for Local Area Networks training.
5. 50% - Shall possess Fiber Optic Installation for Outside Plant Applications training
6. 50% - Shall possess Passive Fiber Optic System Design for Local Area Networks training.
7. 50% - Shall possess Surveillance Video Camera Installation training.

### **Technician II (2424) Power Systems (Formerly GTS)**

Plans, coordinates, and conducts efforts necessary to perform a variety of tasks associated with testing power generation systems, to include operating and maintaining equipment. Devises approaches to accomplish work, resolve operational problems, and make decisions in situations where standard methods, procedures, and techniques may not be applicable. Works with engineers/testing personnel to set up tests that properly adhere to correct test operating procedures and military standards. Applies conventional engineering practices to analyze

schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include detailed circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electrical power generation and distribution test procedures; sets up and operates equipment; records data. Operates and transfers information from the data acquisition equipment in support of reliability and performance testing of electrical power generation and distribution equipment. Coordinates efforts necessary to ensure testing is accomplished in accordance with appropriate/approved test plans, manuals, policies, and regulations to achieve test objectives. Installs and operates sensitive data collection instrumentation, mobile power generation system devices, and maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Performs one or a combination of typical duties, such as proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. Establishes circuit interrupter, maximum power, fuel consumption, and other specialized tests and processes the data in accordance with well-defined methods and designated formulas. Analyzes and presents various test data in accordance with established methods. Effectively operates power generation system computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Develops or reviews designs of test fixtures and/or components using sound technical principles. Troubleshoots and corrects malfunctions. Prepares all or portions of Job Hazard Analyses, Risk Assessments, Detailed Test Plans, and Final Reports for testing.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. 80% of all levels combined shall possess a license to operate forklift(s) and other required support equipment.
4. 50% of all levels combined shall possess Overhead Bridge Crane operator license.
5. Shall possess Crane Car Operator license.
6. 10% of all levels combined shall possess a Class A Commercial Driver's License (CDL).
7. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician II (2424) Small Arms Technician (SAT)**

Performs technical work involving Small Arms Systems, which requires the ability to select and adapt established methods, procedures and techniques relative to small and medium caliber weapons system testing. Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, weapon maintenance, and facility operation. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Fabricates targets, emplaces test stands, sets up and operates instrumentation, operates and maintains specialized facility equipment such as mounts, boresights, quadrants, environmental conditioning chambers, and air filtration systems. Responsible for transportation/stowage of equipment and ammunition to/around the test site, disassembly/demilitarization of target materials, firing of weapons, operation of tools, vehicles, and equipment, recording of test data, recording of test procedures and data, review of data

records and reports for accuracy, trends, and procedure improvements, and collecting data from ballistic instrumentation.

Qualifications:

1. Must have 3 yr. applicable experience firing weapons or equivalent test and evaluation range experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience. .
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

**Technician II (2424) Survivability**

Performs technical work in support of Survivability/Lethality testing to include supporting the planning, execution, and reporting of R&D, production, and product assurance tests related to the ballistic survivability/lethality of military and commercial armored vehicles, equipment, and their related subsystems and/or survivability enhancements. Supports assignments relating to the vulnerability testing of armor targets, ballistic hulls and turrets, operational vehicles, and equipment as well as lethality testing of munitions and weapon systems. Supports projects ranging from private industry tests for commercial customers to Congressionally mandated Title 10 Live Fire Test and Evaluation (LFT&E) programs. Employs methods, procedures, and techniques that, on occasion, may require modification from the standard. Some tasks of significant complexity sometimes require advice/assistance from the supervisor/test engineer. Work is reviewed by the supervisor/test engineer for technical adequacy and conformity with instructions. Supports tests and experiments that use a wide variety of test equipment, instrumentation, and procedures at various test ranges. Supports pre/post-test checks to verify target configuration/functionality and test setup is in accordance with the test plan and will meet test objectives. Collects data, performs target damage assessments, and monitors target disassembly/repair. Documents test data in an appropriate format. Utilizes a variety of data from field notes, manuals, lab reports, photographs and video, etc., and processes and organizes that data, identifying errors or inconsistencies, to consolidate test results and compile summary information. Data is analyzed through comparison to system design specifications. Interacts with customers, integrated product team members, and other T&E professionals in a positive and professional manner using effective verbal and written communications.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

**Technician II (2424) Warfighter Systems Technician (WST) (Formerly SS)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of support equipment and soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or for conformity with instructions. Performs and/or assists the Test Officer or Senior Engineer with testing associated with



transportability, construction and material handling equipment, tactical bridging, watercraft, petroleum and water systems, power generation and distribution systems, tactical hard and soft shelters, sensors and detection systems, foreign military items, Soldier protection and individual equipment, force protection and sustainment systems and integrated Soldier systems. May be required to provide appropriate guidance and direction to other technicians. May be responsible for coordination, resourcing, and execution of subsections of tests or whole tests under the direction of the Senior Test Officer or Engineer.

Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of equipment test procedures; sets up and operates equipment; records data.

Conducts various tests or experiments which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications.

Drives/operates support vehicles, test items and related equipment/instrumentation as needed for functional and performance data, logistics and related tasks. Services, repairs/adjusts, modifies or calibrates instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors.

Installs and/or operates sensitive data collection instrumentation, test item devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations.

May perform one or more typical power generation system test duties such as: Proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. May establish circuit interrupter, maximum power, fuel consumption, and other specialized tests, and process the data in accordance with well-defined methods and designated formulas.

May perform one or more of the following system transportability test duties: Rigs systems and equipment for crane and helicopter lift, restraint in or aboard commercial and military cargo carriers, and tensile proof loading.

May present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed.

May perform such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

#### Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

3. Shall possess a Class A Commercial Driver's License (CDL).
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess Overhead Bridge Crane Operator License.
7. Shall possess Crane Car Operator License.
8. 25% of all levels combined shall possess NCCO Rigger certification.
9. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician II (2424) Soldier System Technician (SST) (Formerly SSTX)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed. Performs and/or assists the Test Officer or Senior Engineer with testing associated with Soldier protection and individual equipment and integrated Soldier systems. Participates and may present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed. Performs one or a combination of such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Creates and maintains databases, orders materials and equipment through appropriate procedures. May service, repair/adjust, modify or calibrate instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods including algebra and geometry; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications. Maintains and organizes work areas. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.

**Technician II (2424) Vulnerability/Lethality Technician (VLT)**

Performs technical work in support of Survivability/Lethality testing. Applies established methods, procedures, and techniques relative to vulnerability testing of vehicles and their subsystems and lethality testing of munitions and weapon systems. Performs test setup, test execution, test teardown, test item disposition, and facility operation. Completes tasks that relate to assembly/construction/setup of targets, target stands, arenas, soil test pits, and witness packs; installation of armors, stowage, fire suppression, or basic instrumentation on target vehicles; pre-

post shot checks of vehicles; operation and maintenance of specialized facility equipment such as range fire suppression systems, air filtration systems, oil/water separators, fireball generator, soil density and moisture gauges, and ballistic sled tracks; transport of equipment, stowage, and ammunition to/around the test site; disassembly/demilitarization of targets; operation of tools, vehicles, equipment, and weapons; recording of test data; small arms ammunition loading. Supports operations at various Survivability/Lethality Directorate test ranges or may be assigned to a specific test facility (i.e., AA-5, Fords Farm, etc.).

Qualifications:

1. Must have 3 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 1 yr. of applicable experience; or 30 credit hours and 2 yrs. of applicable experience; or completion of a formal training program and 1 yr. of applicable experience.
2. Shall possess basic computer skills.
3. 75% of all levels combined shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% of all levels combined shall possess an Ammunition Certification Level I with a C endorsement within 6 months of employment.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess a Crane License for 15 Ton cranes and below within 6 months of employment.
7. Shall possess a clearance for unaccompanied access to Arms, Ammunition and Explosives (AA&E) within 6 months of employment.
8. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician III (2424)**

<b>Technician III (2424 CBA)</b>
<b>Job Description</b>
<p><b>Technician III (2424) Armaments and Munitions Technician (AMT)</b></p> <p>Performs technical work in support of Armaments and Munitions, which requires the ability to select and adapt established methods, procedures, and techniques relative to the testing of large caliber (<math>\geq 40</math>-mm) weapon systems, accessories and ammunition, mine and counter mine systems, munition fragmentation and hazard classification, mortars, recoilless rifles, and non-lethal systems (i.e., flash-bang device, beanbag, personnel and vehicle restraint systems, etc.). Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, range maintenance, and facility operation independently. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Operates and sets up weapon, to include firing, weapon maintenance, operator level ammunition inspection, assembly/construction/setup of targets, target stands, fragmentation arenas, and witness packs. Installs basic instrumentation on test items and targets. Operates and maintains specialized facility equipment, such as mounts, muzzle and breech scopes/sights, quadrants, pressure gauges, survey equipment, rigging, weapon firing mechanisms, fragmentation collection, cleaning and characterization equipment, and weapon and ammunition accountability systems. Transports equipment, stowage, and ammunition to/around the test site. Disassembles/demilitarizes targets. Operates tools, vehicles, and equipment. Collects data from ballistics instrumentation (i.e., video scoring, velocity measurement, flash x-ray, etc.). Records</p>

test procedures and data, and reviews data records and reports for accuracy, trends, and procedure improvements.

**Qualifications:**

1. Must have 5 yr. applicable experience firing weapons or equivalent test and evaluation range experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

**Technician III (2424) Ballistics Instrumentation (BI)**

Conducts test projects in coordination with engineers and test officers involving: techniques related to manufacturing and testing ballistic-specific cables and ballistic electronic circuits; troubleshooting ballistic transducers; assembles and troubleshoots anthropomorphic test devices. Operates and troubleshoots systems such as Count-down Automated Procedures (CAP); ballistic data acquisition systems; high energy detonation systems; virtual scoring systems and Doppler radar. Installs and troubleshoots transducers and ballistic data acquisition systems by interpreting ballistic test data. Processes the data according to well-defined methods and designated formulas. Plans how to accomplish assignments in the most efficient and economical manner, according to a test plan, test procedure, reference documents, and precedents. Selects and adapts methods and procedures to unique situations. Performs inventory management and prepares supply requests.

**Qualifications:**

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Specific Equipment Requirements for each Contractor Manyear Equivalent:**

**Ballistics Technician Toolkit:**

Description	Part Number
Home Depot (or equivalent) 17 In. Open Tool Tote With Rotating Handle	
Plato Big Shear Heavy Duty Wire/Cable Cutters	1755
6-Pc. Precision Screwdriver Set Esdsafe	XP600; 15771
Adjustable Wrench, 8 In., Black, Plain	577-708S
Digital Multimeter, 10a, 50 Mohms, 1000v	Fluke-87-V
Adjustable Wrench 4"	ARM28-404
Pro Crimper Multmate	58495-1; AP584951
Curve Wire Strip/Cutter 12-20 Awg	11055
Screwdriver Set,Slit & Phl 7 Pc	XPE700

STANLEY FATMAX Tape Measure Metric/English 8m/26ft	33-726
Ninety Degree Pick	PSP-4C
Standard 741 ALLEN WRENCH SET	023-56152
Cable Tie Removal Tool	MG1300
Metric Allen Set	023-56085
Pointed Needle Nose	586-2078955
Long Needle Nose	NN7776G
IRWIN Vice Grips	10CRFR
Electricians Hammer	807-17
Small Flashlight	MGLM2A016
Crimper,Kwik Cycle Rg58/59/62	PA1363
Wire Stripper-Cutter, For 20-30 Awg...	KLE 11057
Dewalt Folding Retractable Blade	DWHT10035L
Multitool Gerber	22-01545
Channel Locks 10"	GL10
Channel Locks 12"	GL12
Wall Lenk Pro-Torch 500 Micro Torch	301462-LPT-500
Butane Solder Iron For Field Repair	LSP-60-1
Scissors, Electrician's	KLE-2100-7

### **Technician III (2424) Data Systems**

Performs assignments involving computer hardware, software, network and storage functionality, with emphasis on computer/camera compatibility and communication. Follows standard work methods on assignments. Shall possess computer hardware skills, such as installing and configuring peripheral devices. Ability to troubleshoot network problems using utilities such as ipconfig, ping, and tracert. Ability to use multi-tester and network testing equipment. Working knowledge of MAC, Windows, and Linux operating systems and their interoperability. Ability to troubleshoot MAC, Windows, and Linux Operating Systems and software. Must be able to apply the Open System Interconnection (OSI) model and its relationship to troubleshooting. Proficient in video compression techniques; VMware virtualization software; and Active Directory or OpenLDAP. Ability to operate an oscilloscope and pulse generator; write simple scripts and or code; and recover data from storage mediums such as but not limited to SD, CF cards and hard drives. Management of system administration of MAC and other information systems in accordance with DOD and US Army policies, or applicable IA standards. Proficient with streaming video software and hardware; high speed and ultra-high speed camera systems including the synchronization of multiple disparate data systems, frame timing, and digital and analog signals; and diagnosing high speed camera systems including setup, triggering, and digital imaging. Understands transmission mediums such as copper and fiber. Working knowledge of IRIG and NTP time codes. Ability to plan projects and present technical data in written reports.

#### Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

### **Technician III (2424) Environmental**

Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations. Work requires a thorough knowledge of ammunition recognition and ammunition safety protocols. Responsible for planning and conducting a block of work which is a complete conventional project of relatively limited scope or a portion of a larger project. Works in the transportation, segregation, packaging and disposal of MPPEH. Determines correct demilitarization codes and performs demilitarization of MPPEH items. Duties and responsibilities include: prepares MPPEH documents and acts as a "Certifier" for MPPEH safety assessments; prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensures work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; prepares, reviews and coordinates environmental disposition documents for testing activities; evaluates potential impacts of tests and site selection; recommends pollution prevention initiatives and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized test facilities, ranges, and equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports. Responsible for determining disposition of MPPEH items with an emphasis on recycling and reuse whenever appropriate. Ensures that all parts of the MPPEH operations minimize impact to the environment to include scrap metal storage, refuse accumulation and storage, refueling activities, metal cutting activities, equipment storage and maintenance activities.

#### Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

### **Technician III (2424) Flash X-Ray**

Performs flash X-ray set up and system operation. Assignments involve procedures and techniques related to proper sequence of powering up and presetting instrumentation, pneumatic systems, and high voltage circuits. Proper sequence of powering up and set up of digital scanning systems, emplacement of film cassettes in accordance with predetermined fiducial markers; proper techniques for loading/unloading of storage phosphor screens from blast cassettes; and proper techniques for loading, scanning, and clearing storage phosphors through digital scanning

systems. Knowledge of fiducial systems and geodetic survey techniques to complete initial set up and/or rebuild/repair of test fixtures including film plane and tube head alignment. Uses mathematical formulas and trigonometric principles to calculate pitch, yaw, and velocity of various test projectiles. Designs required test fixtures for specific test functions. Attends planning meetings to determine test requirements, personnel, and logistics. Determines requirements for flash X-ray system and fixture design according to verbal or written communication from test officers or test sponsors for range set up. Communicates with test sponsor and test officer to ensure data quality and timely test completion. Designs and creates working drawings for flash X-ray test fixtures, film planes, tube head mounts, bomb proofs, etc. Designs and fabricates film and blast cassettes from wood, poly, and hardware using common hand, power, and shop tools. Required to repair/rebuild flash X-ray pulsars including troubleshooting of high voltage circuits using factory manuals, meters, probes, and specialized tools. Maintains equipment calibration and expendable supply levels. Specifies future equipment requirements for X-ray testing. Follow set procedures for data collection, storage, archiving, and delivery to customer. Reviews test data to ensure accuracy and quality.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess Flash X-ray technology, systems, and imaging training/Seminar.
4. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician III (2424) Geodetics (GEO)**

Serves as a geodetic technician and is responsible for geodetic studies, surveys and investigations which involve the collection and processing of surveying and mapping data in support of Army testing. Serves under the supervision of an employee of higher grade who assigns specific area of project support. Works independently to accomplish assigned functions without specific instructions as to work methods and procedures. Receives guidance and instructions in dealing with unfamiliar practices and problems. Work is reviewed for overall adequacy and accuracy of the technical support provided. Incumbent applies practical knowledge of theories and techniques of geodesy particularly as it relates to the identity, reliability and usefulness of geodetic control data as required in the execution and adjustment of geodetic survey data. Meet with Test Directors and Customers to determine work requirements and data collection. Incumbent shall have advanced knowledge in analyzing obscure field data, operating as a fact-finder in which tentative evaluations are provided, providing data for several different datum's and grid systems where field data is frequently vague, fragmented, and inaccurate or modified with new data. Have advanced knowledge in performing a variety of surveying duties to accuracies specified by the Customer and or National Geodetic Survey/ National Oceanic and Atmospheric Administration, in establishment of range tables, firing positions, hit points, radar and instrumentation locations, fiducial marker placement, lines of fire, scoring system calibration, and control points where a detailed knowledge of the use of complex instruments and of operating techniques is required. Execute stake-outs, installation of surveying monuments or surveying controls. Perform comprehensive topographic surveys or level runs. Responsible for selection, setup and adjustment and operation of various pieces of electronic instrumentation. Have knowledge and be proficient in performing a variety of high definition survey (3D laser scanning) duties to include data collection and processing of test vehicles and

items of varying sizes, complexity and conditions. Scanning requirements shall vary greatly in terms of accuracy, difficulty and level of detail. Be proficient in planning, setting up, and operating various laser scanning equipment without assistance of higher-level employee. Operate various software packages for post-scan processing of collected data. Perform assessments of collected data in an office setting to include downloading collected data, importing high definition survey scans into processing software, registering scans, checking accuracy, manipulating and improving point cloud. Post-process collected data for mission deliverables. Collect and tabulate data, record and archive information, make field calculation to ensure accuracies meet those specified by the Customer and or National Geodetic Survey/ National Oceanic and Atmospheric Administration, and author detailed daily and summary reports. Writes reports or technical documents as required. Work may require entering confined spaces, climbing in or under vehicles and traversing adverse terrain. Adapt to rapidly changing operational tempo and new procedures. Be proficient in setting-up, adjusting, and operating various pieces of electronic instrumentation. Work is reviewed for overall adequacy and accuracy of services provided, satisfactory execution of the job and conformance with instructions. Pending on mission requirements, work may be performed outdoors where there are regular and recurring exposures to all kinds of weather conditions. Incumbent shall direct and train junior employees engaged in geodetic field surveys in compiling, interpreting and reducing surveying data. Work requires the use of protective equipment and clothing. Requires the ability to carry loads/heavy equipment (up to 50 lbs.). Other duties as assigned. May require overtime work (25-30% of the time) or TDY if testing is performed in areas away from the installation (25-30% of the time).

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Technician III (2424) Heavy Combat (HVY CMBT)**

Performs a variety of duties concerned with the testing of Heavy Combat Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Combat System testing. Provides programmatic test support and coordination for support of Heavy Combat Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or



completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.

2. Shall possess basic computer skills.

### **Technician III (2424) Heavy Tactical (HVY TACT)**

Performs a variety of duties concerned with the testing of Heavy Tactical Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Tactical System testing. Provides programmatic test support and coordination for support of Heavy Tactical Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

#### Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL).

### **Technician III (2424) Light Armor (LA)**

Performs a variety of duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial HVAC equipment. Responsibilities include but are not limited to the following: operates temperature controlled indoor firing ranges that use multiple types of refrigerants and equipment to maintain critical temperature and humidity test requirements; monitors/controls the facility support equipment using automated control workstations; performs control setups, instrumentation monitoring and general instrument operations; assists in setting up data acquisition systems to record/retrieve/report data; performs facility test operations, preventive maintenance, repairs and visual inspections on all equipment; interprets and troubleshoots blue prints, drawings, diagrams and schematics; assists technicians from private industry during large repairs or modifications; operates indoor range HVAC equipment from a PC-based workstation; accesses range test environment information; initiates set points and operational changes; monitors alarms and responds promptly with the necessary repairs; assists personnel to meet test requirements; responsible for ongoing review and maintenance of facility equipment operating procedures; maintains bench-stock of spare parts and supplies; wears appropriate PPE when required.

#### Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or

- completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
  3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
  4. 50% of all levels combined shall possess a Maryland State HVAC Journeyman's License or equivalent.
  5. 50% of all levels combined shall possess a Refrigerant Transition and Recovery Certification
  6. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
  7. 5. Shall possess a license to operate forklift(s) and other required support equipment.

**Technician III (2424) Maritime and Threat Detection (MTD)**

Performs technical work in support of Maritime, Emerging Threats, and Threat Detection testing supporting marine vessels/components, commercial aircraft, and other systems. Work includes test set up, tear-down, gathering test data, operating instrumentation devices from detailed procedures. Supports operations at the UTF, Briar Point, LWE, AB ranges, and Spesutie Island detection site. Utilizes knowledge in marine railway operations, line handling, boat/water operations, and aircraft vulnerability testing and repairs. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting; may occasionally operate weapons or handle explosive devices; uses hand tools; performs tasks or tests on equipment or devices to determine suitability; operates and repairs maritime vessels and aircraft components in support of Navy, TSA, FAA, and DHS; operates and adjusts test equipment and records test data; gathers and maintains specified records of engineering data such as tests, drawings, etc. Sets up, adjusts and is responsible for the operation of various pieces of electronic instrumentation. Coordinates the work of other personnel as required.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician III (2424) Material and Measurements (Material)**

Responsible for providing engineering technician support in the area of ballistics, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of engineering problems. Such projects and problems are characterized by the need to establish and assess the adequacy of design treatment, to develop solutions for a variety of non-recurring problems in instrumentation and measurement, and to anticipate future needs and trends or explore the possibility of new approaches to overcome current engineering limitations or find solutions to continuing problems. Such work requires knowledge of and competence in mechanical engineering principles and techniques as well as general knowledge of related mathematics and other engineering disciplines such as electrical/electronic and a technical knowledge of computer systems programming and analysis necessary to develop effective programs. Responsible for the

following duties: develops tests and methods, searching all pertinent literature and references; studies the behavior, properties, mechanics, design and analysis of materials, vehicles, and weapons, evaluates possible approaches and methods to use; devises, modifies, performs or directs tests; evaluates and interprets data and prepares written report which summarizes the test methods, uses and limitations, and provides recommendations and conclusions. Performs visual inspection, magnetic particle testing, eddy current, liquid penetration, ultrasonic, industrial radiography; measurements using scopes, gauges, and a full range of mechanical and computerized and electronic measurement equipment; inspection, dimensioning, and tolerances. Examples of work assignments in this area and within scope and complexity is the development and performance of ballistic measurements evaluation techniques for vulnerability tests of armored vehicles, development of techniques involving detection, visual and optical measurement, and analysis of damage to combat vehicles/equipment from applications of a variety of attack criteria related to the activity's Vulnerability/ Survivability Testing Program, perform back face deformation measurements, uses copper crusher gages for ballistic measurement to assess the peak pressure of artillery weapons, and operates portable coordinate measuring machines. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures. Requires competence in use of portable coordinate measuring machine, chamber pressure measurement gauges, and visual and optical measurements using optical instrument.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess FARO CAM2, FARO ScanArm and GeoMagic, and PolyWorks training.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician III (2424) Mobile Equipment Tester (MET)**

Performs a variety of tasks associated with all phases of endurance and performance testing of Military and Commercial vehicles and equipment. Resolves problems, provides guidance, to include specific job techniques and safety considerations, and inspects completed work for quality and consistency. Uses judgment and initiative to evaluate testing requirements to determine the best possible approach or action to take in non-routine situations and make recommendations to the Test Officer or engineer. Interprets, adapts, and enforces guidelines, including unwritten policies, precedents, and practices, that are not always completely applicable to changing situations. Operates items in conditions such as rain, mud, snow, and dust and on a wide variety of surfaces, such as gravel, paved, Belgian block, slopes, and vertical walls. Tasks support testing combat support vehicles, equipment systems, and related components. Operates wheeled vehicles, tracked vehicles, engineering vehicles, special purpose vehicles, material handling equipment, bridge boats/floating bridges, amphibious vehicles, etc. Operates tactical

communication equipment. Performs operator level maintenance, conducted both in the field and at various maintenance facilities, such as operator level preventive maintenance checks and services (PMCS) as well as any other operator level maintenance, in accordance with appropriate/approved guidance. Configures vehicles with appropriate payloads and conducts general walk-around safety inspections of vehicles or equipment. While assigned vehicles or equipment are being repaired or serviced, assists mechanics in performing a higher echelon of maintenance as required in accordance with appropriate/approved guidance or performs housekeeping. Records test data on Electronic Maintenance Log. Operates onboard computers, software, and other related technology. Performs uploading and downloading procedures for software and computer applications and begins initial data manipulation and evaluation. Reviews data for technical accuracy. Installs and/or operates sensitive data collection instrumentation, vehicle system training simulators/devices, thermocouples, and pressure transducers necessary to collect, process, store, or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Coordinates efforts to maintain, calibrate, troubleshoot, diagnose, repair, and appropriately document issues relating to electrical/electronic systems and components, communications equipment, instrumentation, and any like or related items when failures occur in accordance with the appropriate manuals and test objectives. Performs periodic evaluations of testing and inspects equipment. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Plans, coordinates, and provides on-the-job training, technical advice, and assistance to various Government agencies, peers, and subordinates as required. Plans and coordinates development, analysis, and provision of technical input as required for documentation and training. Reviews, analyzes, and integrates the technical work of others. Prepares data in designated formats. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat support vehicles and equipment. Licensed to operate all test and support equipment relevant to duties.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL)
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.

**Technician III (2424) Multimedia**

Creates, edits, and outputs computer graphics for use in print and on-screen presentation. Supports operation of conference rooms and video teleconferencing facilities as well as presentation of laptop-based down-range briefings. Duplicates and labels CDs and DVDs and operates matte cutting, mounting, laminating and framing equipment. Performs video editing, classification marking and compression and web site maintenance. Understands a broad range of digital graphics file formats (.jpg, gif, .tif, .png, etc.). Designs and integrates graphics, video, and audio into interactive media. Compiles creative and technical video projects that incorporate music, sound effects, narration, and multiple video layers and graphics to create a video that presents a concept or emotion in abstract visuals using industry standard software.

Authors disc and web-based applications, interactive applications, including scripting using industry standard applications. Performs web site management and maintenance, including scripting (html, CSS, JavaScript, XML or similar). Integrates many types of data assets, including

video, 3D elements, animations and spreadsheets, into interactive disc and web-based applications and videos.

Designs, creates, and animates 3D models from a variety of source materials, including CAD files, photos, and mechanical drawings, using industry standard software (3DS Max, Lightwave, Maya, etc.). Develops interactive data, graphic, and information visualization applications, employing scripting languages such as HTML5, CSS, JavaScript, and AppleScript when required. Develops new capabilities and workflows to enhance the acquisition and presentation of visual test data and processing of test assets.

Responsible for the customer interaction, concept development, time and workflow management, allocation of tasks, and outcome of multiple video, 3D or interactive application projects simultaneously. Proactively resolves technical, interpersonal, creative and logistical issues of assigned projects. Accepts primary responsibility for the fulfillment of mission critical requirements such as overseeing control of classified assets and management of test data processing and delivery workflows.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Technician III (2424) Nondestructive Testing (NDT)**

Evaluates and inspects to applicable standard procedures, and criteria, and makes minor adaptations and modifications. Performs a project assignment that involves complex features and can be guided by codes, standards, and other precedents of the discipline; analyzes and/or evaluates the results of an inspection using techniques prescribed applicable TMs and standards; and accomplishes tasks of which require investigation of many variables.

Provides NDT support in the area of large and small caliber weapon systems, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of test items. Such projects and problems are characterized by the need to establish and assess the safety and/or condition of the test item, to verify proof acceptance criteria, and to provide reliable test support. Such work requires knowledge of at least one of the major NDT methods (MT, ET, RT, UT) and NAS-410 certification. Follows standard inspection procedures, develops new procedures (when necessary), knowledge of material characteristics; especially as related to weapon systems and vehicles, evaluates possible approaches and methods to use; devises, modifies, performs or directs inspections; evaluates and interprets data and prepares written report which summarizes the test methods, and provides recommendations and conclusions. Develop and perform NDT evaluation methods for large caliber proof acceptance tests, develop methods to determine the adequacy, correct type and method for inspecting small caliber weapon systems, and determining inspection method requirements for unique test items. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation,

equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess National Aerospace Standard-410 (NAS-410) certification.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician III (2424) Optical Instrumentation (Op Ins)**

Performs outdoor/indoor plant cable installation and cable preparation tasks, such as installation of transmit/receive instrumentation, and stripping protective covers and shielding away from fiber optic and copper core center cables. Outside plant work will include work on telephone poles, in manholes, installing messenger cable, lashing fiber optic cable to the messenger, working with self-supporting cable, installing outdoor cable in a conduit system to include the installation of pulling cord, clearing/cleaning conduit, and pulling fiber optic cables into the building. Installation of indoor cable shall include working with multimode and single mode plenum and riser cables, current category Ethernet, and mounting/anchoring them to stay in position. Works with Category 5 & 6 cables, Fiber Distribution Centers (FDC), fiber optic Intra-building and Inter-building design, installation and troubleshooting. Performs trouble-shooting and installations on all kinds of security surveillance systems, microwave systems, RF systems, CCTV Video and Audio Systems and fiber optic networks. Proficient in video and still camera operation and is proficient in the inter-relationships of the camera and wiring circuits including setup and operation of the termination and tests equipment. Uses electronic troubleshooting instrumentation such as multi-meters and fiber optic power meters in order to troubleshoot and repair breaks in all types of signal transmission media to include RG58, RG59, single and multi-mode fiber cables, current category Ethernet patch cables, and audio cables. Proficient in the connector types, preparation techniques for splices and connector instrumentation such as fiber optic fusion, splicers and mechanical cam-splices. Performs OTDR testing to determine cable loss, cable length, and problems within the cable. Performs RJ45 testing to include checking the cable for shorts, crosstalk, incorrect terminations, and noise. Selects material required, and adapts plans, techniques or layouts of buildings or test ranges to best perform installations. Contacts personnel in related activities to resolve problems and help coordinate the work; reviews, analyzes, and integrates the technical work of others. Plans or assists in planning of Inter-building and Intra-building fiber optic installs, CCTV Systems and security surveillance systems to include both video and audio components. Performs inventory management and prepares supply requests. Work is reviewed for compliance with accepted practices.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess professional training, with certificate, in the area of Fiber Cable Termination Practices.
4. 50% - Shall possess Fiber Optic Installation for Local Area Networks training.

5. 50% - Shall possess Fiber Optic Installation for Outside Plant Applications training
6. 50% - Shall possess Passive Fiber Optic System Design for Local Area Networks training.
7. 50% - Shall possess Surveillance Video Camera Installation training.

### **Technician III (2424) Power Systems (Formerly GTS)**

Plans, coordinates, and conducts efforts necessary to perform a variety of tasks associated with testing power generation systems, to include operating and maintaining equipment. Devises approaches to accomplish work, resolve operational problems, and make decisions in situations where standard methods, procedures, and techniques may not be applicable. Works with engineers/testing personnel to set up tests that properly adhere to correct test operating procedures and military standards. Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include detailed circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electrical power generation and distribution test procedures; sets up and operates equipment; records data. Operates and transfers information from the data acquisition equipment in support of reliability and performance testing of electrical power generation and distribution equipment. Coordinates efforts necessary to ensure testing is accomplished in accordance with appropriate/approved test plans, manuals, policies, and regulations to achieve test objectives. Installs and operates sensitive data collection instrumentation, mobile power generation system devices, and maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Performs one or a combination of typical duties, such as proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. Establishes circuit interrupter, maximum power, fuel consumption, and other specialized tests and processes the data in accordance with well-defined methods and designated formulas. Analyzes and presents various test data in accordance with established methods. Effectively operates power generation system computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Develops or reviews designs of test fixtures and/or components using sound technical principles. Troubleshoots and corrects malfunctions. Prepares all or portions of Job Hazard Analyses, Risk Assessments, Detailed Test Plans, and Final Reports for testing.

#### Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. 80% of all levels combined shall possess a license to operate forklift(s) and other required support equipment.
4. 50% of all levels combined shall possess Overhead Bridge Crane operator license.
5. Shall possess Crane Car Operator license.
6. 10% of all levels combined shall possess a Class A Commercial Driver's License (CDL).
7. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

### **Technician III (2424) Small Arms Technician (SAT)**

Performs technical work involving Small Arms Systems, which requires the ability to select and adapt established methods, procedures and techniques relative to small and medium caliber weapons system testing. Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, weapon maintenance, and facility operation. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Fabricates targets, emplaces test stands, sets up and operates instrumentation, operates and maintains specialized facility equipment such as mounts, boresights, quadrants, environmental conditioning chambers, and air filtration systems. Responsible for transportation/stowage of equipment and ammunition to/around the test site, disassembly/demilitarization of target materials, firing of weapons, operation of tools, vehicles, and equipment, recording of test data, recording of test procedures and data, review of data records and reports for accuracy, trends, and procedure improvements, and collecting data from ballistic instrumentation.

#### Qualifications:

1. Must have 5 yr. applicable experience firing weapons or equivalent test and evaluation range experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year Shall possess basic computer skills.
2. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. Shall possess a license to operate forklift(s) and other required support equipment.
4. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

### **Technician III (2424) Survivability**

Performs technical work in support of Survivability/Lethality testing to include supporting the planning, execution, and reporting of R&D, production, and product assurance tests related to the ballistic survivability/lethality of military and commercial armored vehicles, equipment, and their related subsystems and/or survivability enhancements. Supports assignments relating to the vulnerability testing of armor targets, ballistic hulls and turrets, operational vehicles, and equipment as well as lethality testing of munitions and weapon systems. Supports projects ranging from private industry tests for commercial customers to Congressionally mandated Title 10 Live Fire Test and Evaluation (LFT&E) programs. Employs methods, procedures, and techniques that, on occasion, may require modification from the standard. Some tasks of significant complexity sometimes require advice/assistance from the supervisor/test engineer. Work is reviewed by the supervisor/test engineer for technical adequacy and conformity with instructions. Supports tests and experiments that use a wide variety of test equipment, instrumentation, and procedures at various test ranges. Supports pre/post-test checks to verify target configuration/functionality and test setup is in accordance with the test plan and will meet test objectives. Collects data, performs target damage assessments, and monitors target disassembly/repair. Documents test data in an appropriate format. Utilizes a variety of data from field notes, manuals, lab reports, photographs and video, etc., and processes and organizes that data, identifying errors or inconsistencies, to consolidate test results and compile summary information. Data is analyzed through comparison to system design specifications. Interacts with customers, integrated product team members, and other T&E professionals in a positive and professional manner using effective verbal and written communications.



Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Technician III (2424) Warfighter Systems Technician (WST) (Formerly SS)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of support equipment and soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or for conformity with instructions. Performs and/or assists the Test Officer or Senior Engineer with testing associated with transportability, construction and material handling equipment, tactical bridging, watercraft, petroleum and water systems, power generation and distribution systems, tactical hard and soft shelters, sensors and detection systems, foreign military items, Soldier protection and individual equipment, force protection and sustainment systems and integrated Soldier systems. May be required to provide appropriate guidance and direction to other technicians. May be responsible for coordination, resourcing, and execution of subsections of tests or whole tests under the direction of the Senior Test Officer or Engineer.

Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of equipment test procedures; sets up and operates equipment; records data.

Conducts various tests or experiments which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications.

Drives/operates support vehicles, test items and related equipment/instrumentation as needed for functional and performance data, logistics and related tasks. Services, repairs/adjusts, modifies or calibrates instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors.

Installs and/or operates sensitive data collection instrumentation, test item devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations.

May perform one or more typical power generation system test duties such as: Proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. May establish circuit interrupter, maximum power, fuel consumption, and other specialized tests, and process the data in accordance with well-defined methods and designated formulas.

May perform one or more of the following system transportability test duties: Rigs systems and equipment for crane and helicopter lift, restraint in or aboard commercial and military cargo carriers, and tensile proof loading.

May present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed. May perform such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL).
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess Overhead Bridge Crane Operator License.
7. Shall possess Crane Car Operator License.
8. 25% of all levels combined shall possess NCCO Rigger certification.
9. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician III (2424) Soldier System Technician (SST) (Formerly SSTX)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed. Performs and/or assists the Test Officer or Senior Engineer with testing associated with Soldier protection and individual equipment and integrated Soldier systems. Participates and may present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed. Performs one or a combination of such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Creates and maintains databases, orders materials and equipment through appropriate procedures. May service, repair/adjust, modify or calibrate instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods including algebra and geometry; presents the data in prescribed

form. Develops and documents information concerning previous operational failures and modifications. Maintains and organizes work areas. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Technician III (2424) Vulnerability/Lethality Technician (VLT)**

Performs technical work in support of Survivability/Lethality testing. Applies established methods, procedures, and techniques relative to vulnerability testing of vehicles and their subsystems and lethality testing of munitions and weapon systems. Performs test setup, test execution, test teardown, test item disposition, and facility operation. Completes tasks that relate to assembly/construction/setup of targets, target stands, arenas, soil test pits, and witness packs; installation of armors, stowage, fire suppression, or basic instrumentation on target vehicles; pre-post shot checks of vehicles; operation and maintenance of specialized facility equipment such as range fire suppression systems, air filtration systems, oil/water separators, fireball generator, soil density and moisture gauges, and ballistic sled tracks; transport of equipment, stowage, and ammunition to/around the test site; disassembly/demilitarization of targets; operation of tools, vehicles, equipment, and weapons; recording of test data; small arms ammunition loading. Supports operations at various Survivability/Lethality Directorate test ranges or may be assigned to a specific test facility (i.e., AA-5, Fords Farm, etc.).

Qualifications:

1. Must have 5 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 3 yrs. applicable experience; or 30 credit hours and 4 yrs. applicable experience; or completion of a formal training program and 3 yrs. applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. 75% of all levels combined shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% of all levels combined shall possess an Ammunition Certification Level I with a C endorsement within 6 months of employment.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess a Crane License for 15 Ton cranes and below within 6 months of employment.
7. Shall possess a clearance for unaccompanied access to Arms, Ammunition and Explosives (AA&E) within 6 months of employment.
8. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician IV (2424)**

**Technician IV (2424 CBA)**

**Job Description**

### **Technician IV (2424) Armaments and Munitions Technician (AMT)**

Performs technical work in support of Armaments and Munitions, which requires the ability to select and adapt established methods, procedures, and techniques relative to the testing of large caliber ( $\geq 40$ -mm) weapon systems, accessories and ammunition, mine and countermine systems, munition fragmentation and hazard classification, mortars, recoilless rifles, and non-lethal systems (i.e., flash-bang device, beanbag, personnel and vehicle restraint systems, etc.). Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, range maintenance, and facility operation independently. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Operates and sets up weapon, to include firing, weapon maintenance, operator level ammunition inspection, assembly/construction/setup of targets, target stands, fragmentation arenas, and witness packs. Installs basic instrumentation on test items and targets. Operates and maintains specialized facility equipment, such as mounts, muzzle and breech scopes/sights, quadrants, pressure gauges, survey equipment, rigging, weapon firing mechanisms, fragmentation collection, cleaning and characterization equipment, and weapon and ammunition accountability systems. Transports equipment, stowage, and ammunition to/around the test site. Disassembles/demilitarizes targets. Operates tools, vehicles, and equipment. Collects data from ballistics instrumentation (i.e., video scoring, velocity measurement, flash x-ray, etc.). Records test procedures and data, and reviews data records and reports for accuracy, trends, and procedure improvements.

#### Qualifications:

1. Must have 7 yr. applicable experience firing weapons or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

### **Technician IV (2424) Ballistics Instrumentation (BI)**

Conducts test projects in coordination with engineers and test officers involving: techniques related to manufacturing and testing ballistic-specific cables and ballistic electronic circuits; troubleshooting ballistic transducers; assembles and troubleshoots anthropomorphic test devices. Operates and troubleshoots systems such as Count-down Automated Procedures (CAP); ballistic data acquisition systems; high energy detonation systems; virtual scoring systems and Doppler radar. Installs and troubleshoots transducers and ballistic data acquisition systems by interpreting ballistic test data. Processes the data according to well-defined methods and designated formulas. Plans how to accomplish assignments in the most efficient and economical manner, according to a test plan, test procedure, reference documents, and precedents. Selects and adapts methods and procedures to unique situations. Performs inventory management and prepares supply requests.

#### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's

Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.

2. Shall possess basic computer skills.

Specific Equipment Requirements for each Contractor Manyear Equivalent:

Ballistics Technician Toolkit:

Description	Part Number
Home Depot (or equivalent) 17 In. Open Tool Tote With Rotating Handle	
Plato Big Shear Heavy Duty Wire/Cable Cutters	1755
6-Pc. Precision Screwdriver Set Esdsafe	XP600; 15771
Adjustable Wrench, 8 In., Black, Plain	577-708S
Digital Multimeter, 10a, 50 Mohms, 1000v	Fluke-87-V
Adjustable Wrench 4"	ARM28-404
Pro Crimper Multimate	58495-1; AP584951
Curve Wire Strip/Cutter 12-20 Awg	11055
Screwdriver Set,Slit & Phl 7 Pc	XPE700
STANLEY FATMAX Tape Measure Metric/English 8m/26ft	33-726
Ninety Degree Pick	PSP-4C
Standard 741 ALLEN WRENCH SET	023-56152
Cable Tie Removal Tool	MG1300
Metric Allen Set	023-56085
Pointed Needle Nose	586-2078955
Long Needle Nose	NN7776G
IRWIN Vice Gripes	10CRFR
Electricians Hammer	807-17
Small Flashlight	MGLM2A016
Crimper,Kwik Cycle Rg58/59/62	PA1363
Wire Stripper-Cutter, For 20-30 Awg...	KLE 11057
Dewalt Folding Retractable Blade	DWHT10035L
Multitool Gerber	22-01545
Channel Locks 10"	GL10
Channel Locks 12"	GL12
Wall Lenk Pro-Torch 500 Micro Torch	301462-LPT-500
Butane Solder Iron For Field Repair	LSP-60-1
Scissors, Electrician's	KLE-2100-7

**Technician IV (2424) Data Systems**

Performs assignments involving computer hardware, software, network and storage functionality, with emphasis on computer/camera compatibility and communication. Follows standard work methods on assignments. Shall possess computer hardware skills, such as installing and configuring peripheral devices. Ability to troubleshoot network problems using utilities such as ipconfig, ping, and tracert. Ability to use multi-tester and network testing equipment. Working knowledge of MAC, Windows, and Linux operating systems and their interoperability. Ability to troubleshoot MAC, Windows, and Linux Operating Systems and software. Must be able to apply

the Open System Interconnection (OSI) model and its relationship to troubleshooting. Proficient in video compression techniques; VMware virtualization software; and Active Directory or OpenLDAP. Ability to operate an oscilloscope and pulse generator; write simple scripts and or code; and recover data from storage mediums such as but not limited to SD, CF cards and hard drives. Management of system administration of MAC and other information systems in accordance with DOD and US Army policies, or applicable IA standards. Proficient with streaming video software and hardware; high speed and ultra-high speed camera systems including the synchronization of multiple disparate data systems, frame timing, and digital and analog signals; and diagnosing high speed camera systems including setup, triggering, and digital imaging. Understands transmission mediums such as copper and fiber. Working knowledge of IRIG and NTP time codes. Ability to plan projects and present technical data in written reports.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

**Technician IV (2424) Environmental**

Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations. Work requires a thorough knowledge of ammunition recognition and ammunition safety protocols. Responsible for planning and conducting a block of work which is a complete conventional project of relatively limited scope or a portion of a larger project. Works in the transportation, segregation, packaging and disposal of MPPEH. Determines correct demilitarization codes and performs demilitarization of MPPEH items. Duties and responsibilities include: prepares MPPEH documents and acts as a "Certifier" for MPPEH safety assessments; prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensures work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; prepares, reviews and coordinates environmental disposition documents for testing activities; evaluates potential impacts of tests and site selection; recommends pollution prevention initiatives and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized test facilities, ranges, and equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports. Responsible for determining disposition of MPPEH items with an emphasis on recycling and reuse whenever appropriate. Ensures that all parts of the MPPEH operations minimize impact to the environment to include

scrap metal storage, refuse accumulation and storage, refueling activities, metal cutting activities, equipment storage and maintenance activities.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician IV (2424) Flash X-Ray**

Performs flash X-ray set up and system operation. Assignments involve procedures and techniques related to proper sequence of powering up and presetting instrumentation, pneumatic systems, and high voltage circuits. Proper sequence of powering up and set up of digital scanning systems, emplacement of film cassettes in accordance with predetermined fiducial markers; proper techniques for loading/unloading of storage phosphor screens from blast cassettes; and proper techniques for loading, scanning, and clearing storage phosphors through digital scanning systems. Knowledge of fiducial systems and geodetic survey techniques to complete initial set up and/or rebuild/repair of test fixtures including film plane and tube head alignment. Uses mathematical formulas and trigonometric principles to calculate pitch, yaw, and velocity of various test projectiles. Designs required test fixtures for specific test functions. Attends planning meetings to determine test requirements, personnel, and logistics. Determines requirements for flash X-ray system and fixture design according to verbal or written communication from test officers or test sponsors for range set up. Communicates with test sponsor and test officer to ensure data quality and timely test completion. Designs and creates working drawings for flash X-ray test fixtures, film planes, tube head mounts, bomb proofs, etc. Designs and fabricates film and blast cassettes from wood, poly, and hardware using common hand, power, and shop tools. Required to repair/rebuild flash X-ray pulsars including troubleshooting of high voltage circuits using factory manuals, meters, probes, and specialized tools. Maintains equipment calibration and expendable supply levels. Specifies future equipment requirements for X-ray testing. Follow set procedures for data collection, storage, archiving, and delivery to customer. Reviews test data to ensure accuracy and quality.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess Flash X-ray technology, systems, and imaging training/Seminar.
4. Shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician IV (2424) Geodetics (GEO)**

Serves as a geodetic technician and is responsible for planning, directing and conducting geodetic studies, surveys and investigations which involve the collection and processing of

surveying and mapping data in support of Army testing. Serves under the supervision of the chief of the organizational segment, who assigns area of responsibility and relies upon the incumbent for independent accomplishment of assigned functions. Participates in planning and interpreting test requirements, conditions relevant to tests to be conducted, accuracies required and methods, techniques and equipment required to accomplish assignments. Supervisor is usually available for advice on usual or controversial problems. Completed work is reviewed for general adequacy and conformity to purpose of assignment. Technical accuracy is normally accepted. Executes works to the highest order of accuracy and precision as specified by the Customer and or National Geodetic Survey/ National Oceanic and Atmospheric Administration in support of ballistic testing, live fire testing, transportability testing, range expansion and development, precise mapping, high definition survey (3D laser scanning), and others where work requires application of practical knowledge of theories and techniques of geodesy. Conducts extensive investigations and projects in the field of geodesy, geodetic surveying, topographic surveying, and high definition survey (3D laser scanning) as required independently without direct supervision. Execute stake-outs, installation of surveying monuments or surveying controls. Have advanced knowledge and be proficient in performing a variety of high definition survey (3D laser scanning) duties to include data collection and processing of test vehicles and items of varying sizes, complexity and conditions. Scanning requirements shall vary greatly in terms of accuracy, difficult and level of detail. Be proficient in planning, setting up, and operating various laser scanning equipment without assistance of higher-level employee. Operate various software packages for post-scan processing of collected data. Perform assessments of collected data in an office setting to include downloading collected data, importing high definition survey scans into processing software, registering scans, checking accuracy, manipulating and improving point cloud. Post-process collected data for mission deliverables. Research advancements in surveying equipment, technology, software and new and emerging methods of surveying and laser scanning. Collect and tabulate data, record and archive information, make field calculation to ensure accuracies meet those specified by the Customer and or National Geodetic Survey/ National Oceanic and Atmospheric Administration, and author detailed daily and summary reports. Writes reports or technical documents as required. Ensures surveying equipment is properly maintained, calibrated and serviceable. Reviews work schedule and plans work to meet priority deadlines. Work may require entering confined spaces, climbing in or under vehicles and traversing adverse terrain. Adapt to rapidly changing operational tempo and new procedures. Be proficient in setting-up, adjusting, and operating various pieces of electronic instrumentation. Work is reviewed for overall adequacy and accuracy of services provided, satisfactory execution of the job and conformance with instructions. Pending on mission requirements, work may be performed outdoors where there are regular and recurring exposures to all kinds of weather conditions. Incumbent shall lead, direct and train junior employees engaged in geodetic field surveys in compiling, interpreting and reducing surveying data. Work requires the use of protective equipment and clothing. Requires the ability to carry loads/heavy equipment (up to 50 lbs.). Other duties as assigned. May require overtime work (25-30% of the time) or TDY if testing is performed in areas away from the installation (25-30% of the time).

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.



#### **Technician IV (2424) Heavy Combat (HVY CMBT)**

Performs a variety of duties concerned with the testing of Heavy Combat Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Combat System testing. Provides programmatic test support and coordination for support of Heavy Combat Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

##### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

#### **Technician IV (2424) Heavy Tactical (HVY TACT)**

Performs a variety of duties concerned with the testing of Heavy Tactical Vehicles. Participates in the tasks that relate to the setup, execution, and reporting of Heavy Tactical System testing. Provides programmatic test support and coordination for support of Heavy Tactical Vehicle test programs conducted. Participates in tasks that relate to the planning, execution, and reporting of test programs, assisting in the timely conduct of testing activities and in the completion of reporting milestones. Participates in various roles from data acquisition up through coordination of testing in progress. Provides programmatic support, such as preparing of plans and schedules, access control, estimating resource requirements, checklists, and final reports; maintain/establish control log of all test documentation; familiarization with the test item and development of functional checks to document degradation in test item performance; development of diagrams to document performance; audit of test setup and vehicle configuration prior to testing to assure compliance with the test plan; and the documentation, review, and compilation of test item repair data. Coordinates maintenance efforts of contractor personnel to include vehicle manufactures field service representatives. Compiles list of parts to be purchased. Tracks purchases. Documents pertinent information using Electronic Maintenance Log or Electronic Drivers Log.

##### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.

2. Shall possess basic computer skills.
3. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL).

#### **Technician IV (2424) Light Armor (LA)**

Performs a variety of duties concerned with the operations, maintenance, repair, overhaul and modification on a wide variety of complex industrial HVAC equipment. Responsibilities include but are not limited to the following: operates temperature controlled indoor firing ranges that use multiple types of refrigerants and equipment to maintain critical temperature and humidity test requirements; monitors/controls the facility support equipment using automated control workstations; performs control setups, instrumentation monitoring and general instrument operations; assists in setting up data acquisition systems to record/retrieve/report data; performs facility test operations, preventive maintenance, repairs and visual inspections on all equipment; interprets and troubleshoots blue prints, drawings, diagrams and schematics; assists technicians from private industry during large repairs or modifications; operates indoor range HVAC equipment from a PC-based workstation; accesses range test environment information; initiates set points and operational changes; monitors alarms and responds promptly with the necessary repairs; assists personnel to meet test requirements; responsible for ongoing review and maintenance of facility equipment operating procedures; maintains bench-stock of spare parts and supplies; wears appropriate PPE when required.

#### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 50% of all levels combined shall possess a Maryland State HVAC Journeyman's License or equivalent.
5. 50% of all levels combined shall possess a Refrigerant Transition and Recovery Certification
6. Shall possess certification for Hazardous Waste Operations and Emergency Response (HAZWOPER) within 6 months of employment.
7. 5. Shall possess a license to operate forklift(s) and other required support equipment.

#### **Technician IV (2424) Maritime and Threat Detection (MTD)**

Performs technical work in support of Maritime, Emerging Threats, and Threat Detection testing supporting marine vessels/components, commercial aircraft, and other systems. Work includes test set up, tear-down, gathering test data, operating instrumentation devices from detailed procedures. Supports operations at the UTF, Briar Point, LWE, AB ranges, and Spesutie Island detection site. Utilizes knowledge in marine railway operations, line handling, boat/water operations, and aircraft vulnerability testing and repairs. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting; may occasionally operate weapons or handle explosive devices; uses hand tools; performs tasks or tests on equipment or devices to determine suitability; operates and repairs maritime vessels and aircraft components in support of Navy, TSA, FAA, and DHS; operates and adjusts test equipment and records test data; gathers and maintains specified records of engineering data such as tests, drawings, etc. Sets up, adjusts and is responsible for the operation of various pieces of electronic instrumentation. Coordinates the work of other personnel as required.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician IV (2424) Material and Measurements (Material)**

Responsible for providing engineering technician support in the area of ballistics, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of engineering problems. Such projects and problems are characterized by the need to establish and assess the adequacy of design treatment, to develop solutions for a variety of non-recurring problems in instrumentation and measurement, and to anticipate future needs and trends or explore the possibility of new approaches to overcome current engineering limitations or find solutions to continuing problems. Such work requires knowledge of and competence in mechanical engineering principles and techniques as well as general knowledge of related mathematics and other engineering disciplines such as electrical/electronic and a technical knowledge of computer systems programming and analysis necessary to develop effective programs. Responsible for the following duties: develops tests and methods, searching all pertinent literature and references; studies the behavior, properties, mechanics, design and analysis of materials, vehicles, and weapons, evaluates possible approaches and methods to use; devises, modifies, performs or directs tests; evaluates and interprets data and prepares written report which summarizes the test methods, uses and limitations, and provides recommendations and conclusions. Performs visual inspection, magnetic particle testing, eddy current, liquid penetration, ultrasonic, industrial radiography; measurements using scopes, gauges, and a full range of mechanical and computerized and electronic measurement equipment; inspection, dimensioning, and tolerances. Examples of work assignments in this area and within scope and complexity is the development and performance of ballistic measurements evaluation techniques for vulnerability tests of armored vehicles, development of techniques involving detection, visual and optical measurement, and analysis of damage to combat vehicles/equipment from applications of a variety of attack criteria related to the activity's Vulnerability/ Survivability Testing Program, perform back face deformation measurements, uses copper crusher gages for ballistic measurement to assess the peak pressure of artillery weapons, and operates portable coordinate measuring machines. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and

procedures. Requires competence in use of portable coordinate measuring machine, chamber pressure measurement gauges, and visual and optical measurements using optical instrument.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess FARO CAM2, FARO ScanArm and GeoMagic, and PolyWorks training.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

**Technician IV (2424) Mobile Equipment Tester (MET)**

Performs a variety of tasks associated with all phases of endurance and performance testing of Military and Commercial vehicles and equipment. Resolves problems, provides guidance, to include specific job techniques and safety considerations, and inspects completed work for quality and consistency. Uses judgment and initiative to evaluate testing requirements to determine the best possible approach or action to take in non-routine situations and make recommendations to the Test Officer or engineer. Interprets, adapts, and enforces guidelines, including unwritten policies, precedents, and practices, that are not always completely applicable to changing situations. Operates items in conditions such as rain, mud, snow, and dust and on a wide variety of surfaces, such as gravel, paved, Belgian block, slopes, and vertical walls. Tasks support testing combat support vehicles, equipment systems, and related components. Operates wheeled vehicles, tracked vehicles, engineering vehicles, special purpose vehicles, material handling equipment, bridge boats/floating bridges, amphibious vehicles, etc. Operates tactical communication equipment. Performs operator level maintenance, conducted both in the field and at various maintenance facilities, such as operator level preventive maintenance checks and services (PMCS) as well as any other operator level maintenance, in accordance with appropriate/approved guidance. Configures vehicles with appropriate payloads and conducts general walk-around safety inspections of vehicles or equipment. While assigned vehicles or equipment are being repaired or serviced, assists mechanics in performing a higher echelon of maintenance as required in accordance with appropriate/approved guidance or performs housekeeping. Records test data on Electronic Maintenance Log. Operates onboard computers, software, and other related technology. Performs uploading and downloading procedures for software and computer applications and begins initial data manipulation and evaluation. Reviews data for technical accuracy. Installs and/or operates sensitive data collection instrumentation, vehicle system training simulators/devices, thermocouples, and pressure transducers necessary to collect, process, store, or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Coordinates efforts to maintain, calibrate, troubleshoot, diagnose, repair, and appropriately document issues relating to electrical/electronic systems and components, communications equipment, instrumentation, and any like or related items when failures occur in accordance with the appropriate manuals and test objectives. Performs periodic evaluations of testing and inspects equipment. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Plans, coordinates, and provides on-the-job training, technical advice, and assistance to various Government agencies, peers, and subordinates as required. Plans and coordinates development, analysis, and provision of technical input as required for documentation and training. Reviews, analyzes, and integrates the technical work of others. Prepares data in

designated formats. Works, coordinates, and collaborates with others in a professional manner to accomplish testing, evaluation, operation, and maintenance of combat support vehicles and equipment. Licensed to operate all test and support equipment relevant to duties.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL)
4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.

**Technician IV (2424) Multimedia**

Creates, edits, and outputs computer graphics for use in print and on-screen presentation. Supports operation of conference rooms and video teleconferencing facilities as well as presentation of laptop-based down-range briefings. Duplicates and labels CDs and DVDs and operates matte cutting, mounting, laminating and framing equipment. Performs video editing, classification marking and compression and web site maintenance. Understands a broad range of digital graphics file formats (.jpg, gif, .tif, .png, etc.). Designs and integrates graphics, video, and audio into interactive media. Compiles creative and technical video projects that incorporate music, sound effects, narration, and multiple video layers and graphics to create a video that presents a concept or emotion in abstract visuals using industry standard software.

Authors disc and web-based applications, interactive applications, including scripting using industry standard applications. Performs web site management and maintenance, including scripting (html, CSS, JavaScript, XML or similar). Integrates many types of data assets, including video, 3D elements, animations and spreadsheets, into interactive disc and web-based applications and videos.

Designs, creates, and animates 3D models from a variety of source materials, including CAD files, photos, and mechanical drawings, using industry standard software (3DS Max, Lightwave, Maya, etc.). Develops interactive data, graphic, and information visualization applications, employing scripting languages such as HTML5, CSS, JavaScript, and AppleScript when required. Develops new capabilities and workflows to enhance the acquisition and presentation of visual test data and processing of test assets.

Responsible for the customer interaction, concept development, time and workflow management, allocation of tasks, and outcome of multiple video, 3D or interactive application projects simultaneously. Proactively resolves technical, interpersonal, creative and logistical issues of assigned projects. Accepts primary responsibility for the fulfillment of mission critical requirements such as overseeing control of classified assets and management of test data processing and delivery workflows.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.

2. Shall possess basic computer skills.

### **Technician IV (2424) Nondestructive Testing (NDT)**

Evaluates and inspects to applicable standard procedures, and criteria, and makes minor adaptations and modifications. Performs a project assignment that involves complex features and can be guided by codes, standards, and other precedents of the discipline; analyzes and/or evaluates the results of an inspection using techniques prescribed applicable TMs and standards; and accomplishes tasks of which require investigation of many variables.

Provides NDT support in the area of large and small caliber weapon systems, wheeled and tracked vehicles, and/or materials with assigned responsibility within the subject matter field for providing detailed analysis and evaluation for a variety of test items. Such projects and problems are characterized by the need to establish and assess the safety and/or condition of the test item, to verify proof acceptance criteria, and to provide reliable test support. Such work requires knowledge of at least one of the major NDT methods (MT, ET, RT, UT) and NAS-410 certification. Follows standard inspection procedures, develops new procedures (when necessary), knowledge of material characteristics; especially as related to weapon systems and vehicles, evaluates possible approaches and methods to use; devises, modifies, performs or directs inspections; evaluates and interprets data and prepares written report which summarizes the test methods, and provides recommendations and conclusions. Develop and perform NDT evaluation methods for large caliber proof acceptance tests, develop methods to determine the adequacy, correct type and method for inspecting small caliber weapon systems, and determining inspection method requirements for unique test items. Evaluates new instruments, equipment, and material in specialty area, including those which may automate methods currently performed manually, for use by this activity and which may influence data presented and testing work performed at other proving grounds, other commands, other services, and the like. Evaluates tests and methods in the specialty area to determine deficiencies and need or useful improvement and to effect efficiencies. Determines instrumentation, equipment, and system requirements and provides input to the activity plan for acquisition of new instrumentation, equipment and materiel, and modernization of existing items. Prepares and updates specifications, standards and procedures.

#### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess National Aerospace Standard-410 (NAS-410) certification.
4. Shall possess a license to operate forklift(s) and other required support equipment.
5. Shall possess Overhead Bridge Crane Operator License.

### **Technician IV (2424) Optical Instrumentation (Op Ins)**

Performs outdoor/indoor plant cable installation and cable preparation tasks, such as installation of transmit/receive instrumentation, and stripping protective covers and shielding away from fiber optic and copper core center cables. Outside plant work will include work on telephone poles, in manholes, installing messenger cable, lashing fiber optic cable to the messenger, working with

self-supporting cable, installing outdoor cable in a conduit system to include the installation of pulling cord, clearing/cleaning conduit, and pulling fiber optic cables into the building. Installation of indoor cable shall include working with multimode and single mode plenum and riser cables, current category Ethernet, and mounting/anchoring them to stay in position. Works with Category 5 & 6 cables, Fiber Distribution Centers (FDC), fiber optic Intra-building and Inter-building design, installation and troubleshooting. Performs trouble-shooting and installations on all kinds of security surveillance systems, microwave systems, RF systems, CCTV Video and Audio Systems and fiber optic networks. Proficient in video and still camera operation and is proficient in the inter-relationships of the camera and wiring circuits including setup and operation of the termination and tests equipment. Uses electronic troubleshooting instrumentation such as multi-meters and fiber optic power meters in order to troubleshoot and repair breaks in all types of signal transmission media to include RG58, RG59, single and multi-mode fiber cables, current category Ethernet patch cables, and audio cables. Proficient in the connector types, preparation techniques for splices and connector instrumentation such as fiber optic fusion, splicers and mechanical cam-splices. Performs OTDR testing to determine cable loss, cable length, and problems within the cable. Performs RJ45 testing to include checking the cable for shorts, crosstalk, incorrect terminations, and noise. Selects material required, and adapts plans, techniques or layouts of buildings or test ranges to best perform installations. Contacts personnel in related activities to resolve problems and help coordinate the work; reviews, analyzes, and integrates the technical work of others. Plans or assists in planning of Inter-building and Intra-building fiber optic installs, CCTV Systems and security surveillance systems to include both video and audio components. Performs inventory management and prepares supply requests. Work is reviewed for compliance with accepted practices.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess professional training, with certificate, in the area of Fiber Cable Termination Practices.
4. 50% - Shall possess Fiber Optic Installation for Local Area Networks training.
5. 50% - Shall possess Fiber Optic Installation for Outside Plant Applications training
6. 50% - Shall possess Passive Fiber Optic System Design for Local Area Networks training.
7. 50% - Shall possess Surveillance Video Camera Installation training.

**Technician IV (2424) Power Systems (Formerly GTS)**

Plans, coordinates, and conducts efforts necessary to perform a variety of tasks associated with testing power generation systems, to include operating and maintaining equipment. Devises approaches to accomplish work, resolve operational problems, and make decisions in situations where standard methods, procedures, and techniques may not be applicable. Works with engineers/testing personnel to set up tests that properly adhere to correct test operating procedures and military standards. Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include detailed circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of electrical power generation and distribution test procedures; sets up and operates equipment; records data. Operates and transfers information from the data acquisition equipment in support of reliability and performance testing of electrical power generation and distribution equipment. Coordinates efforts necessary to ensure testing is accomplished in accordance with

appropriate/approved test plans, manuals, policies, and regulations to achieve test objectives. Installs and operates sensitive data collection instrumentation, mobile power generation system devices, and maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations. Performs one or a combination of typical duties, such as proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. Establishes circuit interrupter, maximum power, fuel consumption, and other specialized tests and processes the data in accordance with well-defined methods and designated formulas. Analyzes and presents various test data in accordance with established methods. Effectively operates power generation system computers, software, and other related technology. Identifies, documents, and communicates test related and/or abnormal conditions in an appropriate format and timely manner. Develops or reviews designs of test fixtures and/or components using sound technical principles. Troubleshoots and corrects malfunctions. Prepares all or portions of Job Hazard Analyses, Risk Assessments, Detailed Test Plans, and Final Reports for testing.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. 80% of all levels combined shall possess a license to operate forklift(s) and other required support equipment.
4. 50% of all levels combined shall possess Overhead Bridge Crane operator license.
5. Shall possess Crane Car Operator license.
6. 10% of all levels combined shall possess a Class A Commercial Driver's License (CDL).
7. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician IV (2424) Small Arms Technician (SAT)**

Performs technical work involving Small Arms Systems, which requires the ability to select and adapt established methods, procedures and techniques relative to small and medium caliber weapons system testing. Performs standard or non-standard tasks related to test setup, test execution, test teardown, test item disposition, weapon maintenance, and facility operation. Extracts information from field notes, manuals, and test plans, as well as researches other sources to accomplish assigned tasks. Fabricates targets, emplaces test stands, sets up and operates instrumentation, operates and maintains specialized facility equipment such as mounts, boresights, quadrants, environmental conditioning chambers, and air filtration systems. Responsible for transportation/stowage of equipment and ammunition to/around the test site, disassembly/demilitarization of target materials, firing of weapons, operation of tools, vehicles, and equipment, recording of test data, recording of test procedures and data, review of data records and reports for accuracy, trends, and procedure improvements, and collecting data from ballistic instrumentation.

Qualifications:

1. Must have 7 yr. applicable experience firing weapons or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a



- Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
- 2. Shall possess basic computer skills.
- 3. Shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
- 4. Shall possess a license to operate forklift(s) and other required support equipment.
- 5. Shall possess a clearance for unaccompanied access to Arms, Ammunition, and Explosives (AA&E) within 6 months of employment.

**Technician IV (2424) Survivability**

Performs technical work in support of Survivability/Lethality testing to include supporting the planning, execution, and reporting of R&D, production, and product assurance tests related to the ballistic survivability/lethality of military and commercial armored vehicles, equipment, and their related subsystems and/or survivability enhancements. Supports assignments relating to the vulnerability testing of armor targets, ballistic hulls and turrets, operational vehicles, and equipment as well as lethality testing of munitions and weapon systems. Supports projects ranging from private industry tests for commercial customers to Congressionally mandated Title 10 Live Fire Test and Evaluation (LFT&E) programs. Employs methods, procedures, and techniques that, on occasion, may require modification from the standard. Some tasks of significant complexity sometimes require advice/assistance from the supervisor/test engineer. Work is reviewed by the supervisor/test engineer for technical adequacy and conformity with instructions. Supports tests and experiments that use a wide variety of test equipment, instrumentation, and procedures at various test ranges. Supports pre/post-test checks to verify target configuration/functionality and test setup is in accordance with the test plan and will meet test objectives. Collects data, performs target damage assessments, and monitors target disassembly/repair. Documents test data in an appropriate format. Utilizes a variety of data from field notes, manuals, lab reports, photographs and video, etc., and processes and organizes that data, identifying errors or inconsistencies, to consolidate test results and compile summary information. Data is analyzed through comparison to system design specifications. Interacts with customers, integrated product team members, and other T&E professionals in a positive and professional manner using effective verbal and written communications.

Qualifications:

- 1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
- 2. Shall possess basic computer skills.

**Technician IV (2424) Warfighter Systems Technician (WST) (Formerly SS)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of support equipment and soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or for conformity with instructions. Performs and/or assists the Test Officer or Senior Engineer with testing associated with transportability, construction and material handling equipment, tactical bridging, watercraft, petroleum and water systems, power generation and distribution systems, tactical hard and soft shelters, sensors and detection systems, foreign military items, Soldier protection and individual

equipment, force protection and sustainment systems and integrated Soldier systems. May be required to provide appropriate guidance and direction to other technicians. May be responsible for coordination, resourcing, and execution of subsections of tests or whole tests under the direction of the Senior Test Officer or Engineer.

Applies conventional engineering practices to analyze schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include circuit diagrams; hardware fittings or test equipment. Conducts specific test or experimental procedures requiring selection and adaptation or modification of a wide variety of equipment test procedures; sets up and operates equipment; records data.

Conducts various tests or experiments which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications.

Drives/operates support vehicles, test items and related equipment/instrumentation as needed for functional and performance data, logistics and related tasks. Services, repairs/adjusts, modifies or calibrates instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors.

Installs and/or operates sensitive data collection instrumentation, test item devices, and/or maintains equipment necessary to collect, process, store or obtain test related data in accordance with appropriate test plans, manuals, policies, and regulations.

May perform one or more typical power generation system test duties such as: Proper power up/shut down of load bank operational procedures, set up of voltage and frequency configurations and fault resets, calculations of percentage loads at 25/50/75/100%, connecting 3 phase and single phase power, and set up and conduct testing for 120/208 V and 416 V voltage ratings. May establish circuit interrupter, maximum power, fuel consumption, and other specialized tests, and process the data in accordance with well-defined methods and designated formulas.

May perform one or more of the following system transportability test duties: Rigs systems and equipment for crane and helicopter lift, restraint in or aboard commercial and military cargo carriers, and tensile proof loading.

May present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed.

May perform such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

#### Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. Shall possess a Class A Commercial Driver's License (CDL).

4. 25% of all levels combined shall possess a Class A Commercial Driver's License (CDL) endorsed for Hazardous Materials (HAZMAT) and Tanker.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess Overhead Bridge Crane Operator License.
7. Shall possess Crane Car Operator License.
8. 25% of all levels combined shall possess NCCO Rigger certification.
9. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Technician IV (2424) Soldier System Technician (SST) (Formerly SSTX)**

Performs technical assignments that may not be completely standardized or prescribed for the test and evaluation of soldier systems projects, test items and related material, documentation, training, instrumentation and methodologies. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed. Performs and/or assists the Test Officer or Senior Engineer with testing associated with Soldier protection and individual equipment and integrated Soldier systems. Participates and may present information along with Test Sponsors, PM's, Test participants, etc. in scoring conferences, teleconferences, symposiums and meetings where data is presented or reviewed. Performs one or a combination of such typical duties as: writing and developing Test Plan, Risk Assessment, Safety Release/Confirmation, Test Record and Final report documentation. Must clearly and concisely maintain communications daily with multiple levels inside and outside of the organization. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Creates and maintains databases, orders materials and equipment through appropriate procedures. May service, repair/adjust, modify or calibrate instruments or equipment. Adjusts and operates equipment, and records test data, pointing out and documenting deviations resulting from equipment malfunction or observational errors. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods including algebra and geometry; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications. Maintains and organizes work areas. May participate in test readiness reviews. Sets up meetings with visitors and escorts them to test sites. Uses judgment and initiative to recognize inconsistencies or gaps in data and seeks sources to clarify information.

Qualifications:

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.

**Technician IV (2424) Vulnerability/Lethality Technician (VLT)**

Performs technical work in support of Survivability/Lethality testing. Applies established methods, procedures, and techniques relative to vulnerability testing of vehicles and their subsystems and lethality testing of munitions and weapon systems. Performs test setup, test execution, test teardown, test item disposition, and facility operation. Completes tasks that relate to assembly/construction/setup of targets, target stands, arenas, soil test pits, and witness packs;

installation of armors, stowage, fire suppression, or basic instrumentation on target vehicles; pre-post shot checks of vehicles; operation and maintenance of specialized facility equipment such as range fire suppression systems, air filtration systems, oil/water separators, fireball generator, soil density and moisture gauges, and ballistic sled tracks; transport of equipment, stowage, and ammunition to/around the test site; disassembly/demilitarization of targets; operation of tools, vehicles, equipment, and weapons; recording of test data; small arms ammunition loading. Supports operations at various Survivability/Lethality Directorate test ranges or may be assigned to a specific test facility (i.e., AA-5, Fords Farm, etc.).

**Qualifications:**

1. Must have 7 yr. of applicable experience or at least 60 credit hours or an Associate's Degree and 5 yrs. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yrs. applicable experience; or a Bachelor's Degree and 3 yrs. applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess basic computer skills.
3. 75% of all levels combined shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% of all levels combined shall possess an Ammunition Certification Level I with a C endorsement within 6 months of employment.
5. Shall possess a license to operate forklift(s) and other required support equipment.
6. Shall possess a Crane License for 15 Ton cranes and below within 6 months of employment.
7. Shall possess a clearance for unaccompanied access to Arms, Ammunition and Explosives (AA&E) within 6 months of employment.
8. 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training.

**Technician I (Logistics)**

<b>Technician I (Logistics) (2424 CBA)</b>
<b>Job Description</b>
<p>Provides support to include equipment management, inventory control, property control, calibration control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices, and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short term goals and objectives. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.</p> <p>Primary operator of the Unit Level Logistics System S4. Updates and maintains inventory records. Interfaces with the Property Book Officer and Primary Hand Receipt Holders to produce sub hand receipts and component listings. Manages the Unit Level Logistics System S4 database and supporting documents. Provides technical expertise regarding hand receipt management and property accountability. Manages the accountability of durable items. Signs for and delivers supplies and materials to end users. Identifies excess and processes for turn-in.</p>

Inventory management: May be responsible for inventory management of decentralized and decontrolled items, including supplies, and equipment. Items managed typically are of low unit or annual demand value, involve short procurement lead time (less than 9 months), are obtained from standard or other readily available sources of supply, and reflect relatively stable patterns of demand. Items usually are of a general, common-use type, non-repairable and seldom require intensive investigation of atypical variations in their supply and demand patterns. The work includes requirements determination and forecasting, distribution or redistribution of material, procurement authorization, limited funds management, or other related work.

Material coordination: Performs material coordination duties for special programs, maintenance, or production shops. Duties are performed on the basis of practical experience in processing and expediting supply transactions related to the particular organizations serviced. Confers with Test Officer or Government POC to determine materials overdue and to inform them of location, availability, and condition of materials. Locates and moves materials to specified production areas. Records quantity and type of materials distributed and on hand. Coordinates calibration compliance.

Uses standard Army management information systems.

Qualifications:

1. 1 yr. applicable experience; or completion of formal training
2. Shall possess a license to operate forklift(s) and other required support equipment.

**Technician II (Logistics)**

**Technician II (Logistics) (2424 CBA)**

**Job Description**

Provides support to include equipment management, inventory control, property control, calibration control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices, and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short term goals and objectives. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.

Primary operator of the Unit Level Logistics System S4. Updates and maintains inventory records. Interfaces with the Property Book Officer and Primary Hand Receipt Holders to produce sub hand receipts and component listings. Manages the Unit Level Logistics System S4 database and supporting documents. Provides technical expertise regarding hand receipt management and property accountability. Manages the accountability of durable items. Signs for and delivers supplies and materials to end users. Identifies excess and processes for turn-in.

Inventory management: May be responsible for inventory management of decentralized and decontrolled items, including supplies, and equipment. Items managed typically are of low unit or annual demand value, involve short procurement lead time (less than 9 months), are obtained from standard or other readily available sources of supply, and reflect relatively stable patterns of demand. Items usually are of a general, common-use type, non-repairable and seldom require intensive investigation of atypical variations in their supply and demand patterns. The work

includes requirements determination and forecasting, distribution or redistribution of material, procurement authorization, limited funds management, or other related work.

Material coordination: Performs material coordination duties for special programs, maintenance, or production shops. Duties are performed on the basis of practical experience in processing and expediting supply transactions related to the particular organizations serviced. Confers with Test Officer or Government POC to determine materials overdue and to inform them of location, availability, and condition of materials. Locates and moves materials to specified production areas. Records quantity and type of materials distributed and on hand. Coordinates calibration compliance.

Uses standard Army management information systems.

Qualifications:

1. 3 years applicable experience; or at least 60 credit hours or an Associate's Degree and 1 year applicable experience; or 30 credit hours and 2 years applicable experience; or completion of a formal training program and 1 year applicable experience.
2. Shall possess a license to operate forklift(s) and other required support equipment.

### Technician III (Logistics)

#### Technician III (Logistics) (2424 CBA)

##### Job Description

Provides support to include equipment management, inventory control, property control, calibration control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices, and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short term goals and objectives. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.

Primary operator of the Unit Level Logistics System S4. Updates and maintains inventory records. Interfaces with the Property Book Officer and Primary Hand Receipt Holders to produce sub hand receipts and component listings. Manages the Unit Level Logistics System S4 database and supporting documents. Provides technical expertise regarding hand receipt management and property accountability. Manages the accountability of durable items. Signs for and delivers supplies and materials to end users. Identifies excess and processes for turn-in.

Inventory management: May be responsible for inventory management of decentralized and decontrolled items, including supplies, and equipment. Items managed typically are of low unit or annual demand value, involve short procurement lead time (less than 9 months), are obtained from standard or other readily available sources of supply, and reflect relatively stable patterns of demand. Items usually are of a general, common-use type, non-repairable and seldom require intensive investigation of atypical variations in their supply and demand patterns. The work includes requirements determination and forecasting, distribution or redistribution of material, procurement authorization, limited funds management, or other related work.

Material coordination: Performs material coordination duties for special programs, maintenance, or production shops. Duties are performed on the basis of practical experience in processing and expediting supply transactions related to the particular organizations serviced. Confers with Test Officer or Government POC to determine materials overdue and to inform them of location, availability, and condition of materials. Locates and moves materials to specified production areas. Records quantity and type of materials distributed and on hand. Coordinates calibration compliance.

Uses standard Army management information systems.

Qualifications:

1. 5 years applicable experience; or at least 60 credit hours or an Associate's Degree and 3 years applicable experience; or 30 credit hours and 4 years applicable experience; or completion of a formal training program and 3 years applicable experience; or a Bachelor's Degree and 1 year applicable experience.
2. Shall possess a license to operate forklift(s) and other required support equipment.

### Technician IV (Logistics)

#### Technician IV (Logistics) (2424 CBA)

##### Job Description

Provides support to include equipment management, inventory control, property control, calibration control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices, and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short term goals and objectives. Participates with audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.

Primary operator of the Unit Level Logistics System S4. Updates and maintains inventory records. Interfaces with the Property Book Officer and Primary Hand Receipt Holders to produce sub hand receipts and component listings. Manages the Unit Level Logistics System S4 database and supporting documents. Provides technical expertise regarding hand receipt management and property accountability. Manages the accountability of durable items. Signs for and delivers supplies and materials to end users. Identifies excess and processes for turn-in.

Inventory management: May be responsible for inventory management of decentralized and decontrolled items, including supplies, and equipment. Items managed typically are of low unit or annual demand value, involve short procurement lead time (less than 9 months), are obtained from standard or other readily available sources of supply, and reflect relatively stable patterns of demand. Items usually are of a general, common-use type, non-repairable and seldom require intensive investigation of atypical variations in their supply and demand patterns. The work includes requirements determination and forecasting, distribution or redistribution of material, procurement authorization, limited funds management, or other related work.

Material coordination: Performs material coordination duties for special programs, maintenance, or production shops. Duties are performed on the basis of practical experience in processing and expediting supply transactions related to the particular organizations serviced. Confers with Test

Officer or Government POC to determine materials overdue and to inform them of location, availability, and condition of materials. Locates and moves materials to specified production areas. Records quantity and type of materials distributed and on hand. Coordinates calibration compliance.

Uses standard Army management information systems.

Qualifications:

1. 7 years applicable experience; or at least 60 credit hours or an Associate's Degree and 5 years applicable experience; or 30 credit hours and 6 years applicable experience; or completion of a formal training program and 5 years applicable experience; or a Bachelor's Degree and 3 years applicable experience; or a Master's Degree and 1 year applicable experience.
2. Shall possess a license to operate forklift(s) and other required support equipment.

### Technician I (WD)

#### Technician I (Wage Determined)

#### Job Description

**Electronic I.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs simple routine tasks under close guidance or from detailed procedures in conducting test and evaluation of electronic items/systems within a broad area of equipment. Adjusts and operates testing equipment and records instrumental readings. Analyzes and presents various data in accordance with established methods. Processes the data according to well-defined methods and designated formulas using elementary algebra and geometry, in addition to arithmetic.

**Environmental I.** Assists in performing technical work in support of environmental conservation, compliance, restoration and pollution prevention projects. The work requires the ability to learn and apply established methods, procedures and techniques. Such work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations, but does not require professional knowledge and abilities to perform the work. Responsible for assisting in planning and conducting a small block of work of relatively limited scope. Duties and responsibilities include: prepares, reviews, and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; develops schedules and assists in ensuring work is completed in required timeframe according to design and regulatory requirements; reviews portions of documents for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary parts of test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; preparing, reviewing and coordinating simple environmental documents for both testing and construction activities; evaluates potential impacts of tests and site selection, recommending pollution prevention initiatives and monitoring mitigation measures; attends meetings and other environmental working groups, committees, and panels; prepares and coordinates limited portions of environmental permits, applications, surveys and inspections; gathers information, performs literature searches and varied data collection, tracking, computing and summarizing of data relative to environmental efforts; consolidates blocks of data and reporting environmental information; inspects and evaluates facilities; participates in the planning and collection of samples, takes samples, and accumulates information and material required for laboratory



analysis; responds to and containing spills and releases; assisting in day to day operating of 90 day hazardous waste storage facility and assists in ensuring compliance with all applicable federal, state, and local environmental statutes and regulations; and assures compliance with requirements and assists in performing duties relative to receiving, labeling, marking, handling, storing, packaging, and disposing of hazardous property.

**General I.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting. Performs simple or routine tasks or tests such as tensile or hardness tests. Operates and adjusts simple test equipment and records test data. Gathers and maintains specified records of engineering data such as tests, drawings, etc. Performs computations by substituting numbers in specified formulas. Plots data and draws simple curves and graphs.

**Range Control I.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for the following: administers range control procedures, instructions, and danger zones necessary in the firing and other use of ammunition and explosives in all types of test/training operations; manages APG's restricted water, airspace and the APG Range; performs range surveys and inspections of test sites; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information; and performs literature searches. Studies data on all systems for testing and training and observes procedures of firing of standard and experimental weapons and munitions in order to apply proper charts and regulations and to recognize the need for necessary departure from scheduled programs, new regulations, or revision of regulations and recommends changes to senior government technical person. A senior Government technical person must oversee the work and give final approval for actions/clearances.

**Range Support I.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for the following: coordinates requirements for operational resources (facilities, equipment, personnel, and skills) of ATC; scheduling physical and personnel resources associated with testing of firing systems/ammunition, with testing of automotive materiel, with range training activities, and with non-firing mission requirements; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information, performs literature searches and varied data; assists in the integration of range safety and environmental policies with the scheduling process; assists in the scheduling of daily tests and related operations; assists in producing daily, weekly, and projected monthly schedules; and, attends daily scheduling meetings. Applies established methods, procedures and techniques, as well as non-standard applications. Exercises tact, diplomacy, and persuasive ability to obtain cooperation and assistance of personnel in the scheduling process and in negotiating trade-offs in terms of facilities, instrumentation, data, time, and operational restrictions in executing test/training missions. All work will be approved by a senior official.

**Test Participant I.** Assists in performing technical work. Participates in operationally realistic scenarios involving force-on-force engagements utilizing standard military testing/training techniques and instrumentation. May also serve as a test participant in simulated environments and assist with computer testing of military equipment. Tasks may be manual or positional and may include lifting, moving, running, etc., in support of testing military uniforms and equipment, armor, and computer programs and scenarios. Some tests may involve interfacing with computer software for simulated testing. Participates in active testing and may be instrumented with

equipment used to evaluate physiological factors. Operates simple test equipment under the direction of a test facilitator and answer post-test interview questions. Duties may include test readiness, wearing equipment, walking in and out of buildings, talking to other test subjects, operating a joystick to manipulate test equipment, observation and measurement, being interviewed by researchers at the conclusion of the test and clean-up.

**Training Range I.** Assists in performing technical work. Performs assignments that are not completely standardized or prescribed. Receives initial instructions, equipment requirements, and advice from senior test officers or engineer as needed. Work is reviewed for technical adequacy or conformity with instructions. Duties include actual target design, oversight of target fabrication, scheduling and coordination of all support required for target fabrication and placement as well as creating and maintaining records for all target fabrication efforts including costs, supply sources, time to complete, target design, and any issues/concerns. Keeps the range in a “ready state” for the user which includes preparing the range for each class iteration, maintaining the range during each class iteration, and cleaning up the range after each iteration. Performs range management and training area at training areas/ranges as required, including coordination of any upgrades and/or maintenance on the range infrastructure. Coordinates and manages clean up and disposal of residual target materials and range residue at regular intervals between course iterations. Assists with project efforts and works as a team member including active participation in the operation of the range during each course iteration by documenting course data and results/deficiencies. Participates in the design, planning and conduct of course iterations. Assists in ammunition management and preparation of risk assessment packages, and participating in project related meetings (IPRs, HAWGs, and AARs).

**Qualifications:**

1. 1 yr. applicable experience; or completion of formal training. Technician specialized areas include General, Electronic, Environmental, Range Control, Range Support, Test Participant, and Training Range.

**Technician II (WD)**

<b>Technician II (Wage Determined)</b>
<b>Job Description</b>
<p><b><u>Electronic II.</u></b> Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs standardized or prescribed assignments involving a sequence of related operations. Provides assistance to higher level technicians engaged in conducting tests and evaluations of electronic items/systems. Performs assigned phases of tests for which procedures have been developed but not completely standardized and that require minimal modifications in the test procedure and test equipment. Uses a variety of standard references, guides, and precedents to obtain needed information and to select and adapt methods and procedures. Studies approved test plans and available engineering data and plans details on how to accomplish the assignment in the most efficient and economical manner. Determines sequence of procedures and the more common types of instrumentation which are necessary for the specific test and submits recommendations to higher level technicians for approval before proceeding. Reads instruments and checks results for unusual responses. Makes on the spot adjustment of subject material and instrumentation to relieve problems and/or notifies higher level technicians of problems or situations not previously encountered. Assists in the preparation of reports by reducing data which is generally carried out by using established formulas and techniques; modification to adapt these techniques to a new</p>

situation is first approved by higher level technicians. Assists in compiling and plotting test results for illustration in the technical report and writes a portion of the report pertaining to investigation in which the incumbent has participated.

**Environmental II.** Assists in performing technical work in support of environmental conservation, compliance, restoration and pollution prevention projects. The work requires the ability to learn and apply established methods, procedures and techniques. Such work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations, but does not require professional knowledge and abilities to perform the work. Responsible for assisting in planning and conducting a small block of work of relatively limited scope. Duties and responsibilities include: prepares, reviews, and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; develops schedules and assists in ensuring work is completed in required timeframe according to design and regulatory requirements; reviews portions of documents for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary parts of test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; preparing, reviewing and coordinating simple environmental documents for both testing and construction activities; evaluates potential impacts of tests and site selection, recommending pollution prevention initiatives and monitoring mitigation measures; attends meetings and other environmental working groups, committees, and panels; prepares and coordinates limited portions of environmental permits, applications, surveys and inspections; gathers information, performs literature searches and varied data collection, tracking, computing and summarizing of data relative to environmental efforts; consolidates blocks of data and reporting environmental information; inspects and evaluates facilities; participates in the planning and collection of samples, takes samples, and accumulates information and material required for laboratory analysis; responds to and containing spills and releases; assisting in day to day operating of 90 day hazardous waste storage facility and assists in ensuring compliance with all applicable federal, state, and local environmental statutes and regulations; and assures compliance with requirements and assists in performing duties relative to receiving, labeling, marking, handling, storing, packaging, and disposing of hazardous property.

**General II.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Performs standardized or prescribed assignments involving a sequence of related operations. Follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments; technical adequacy of routine work is reviewed on completion; non-routine work may also be reviewed in progress. Follows specific instructions, assembles and constructs simple or standard equipment or parts; may service or repair simple instruments or equipment. Conducts a variety of tests using established methods. Prepares test specimens, adjusts and operates equipment, and records test data, pointing out deviations resulting from equipment malfunction or observational errors. Extracts engineering data from various prescribed but non-standardized sources; processes the data following well-defined methods including elementary algebra and geometry; presents the data in prescribed form.

**Range Control II.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for the following: administers range control procedures, instructions, and danger zones necessary in the firing and other use of ammunition and explosives in all types of test/training operations; manages APG's restricted water, airspace and the APG Range; performs range surveys and inspections of test

sites; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information; and performs literature searches. Studies data on all systems for testing and training and observes procedures of firing of standard and experimental weapons and munitions in order to apply proper charts and regulations and to recognize the need for necessary departure from scheduled programs, new regulations, or revision of regulations and recommends changes to senior government technical person. A senior Government technical person must oversee the work and give final approval for actions/clearances. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. A senior government technical person must oversee the work and give final approval for actions/clearances.

**Range Support II.** Assists in performing technical work. The work requires the ability to learn and apply established methods, procedures and techniques. Responsible for the following: coordinates the scheduling requirements for operational resources (facilities, equipment, civilians, contractors and military personnel, and skills) of ATC; validates the schedules for physical and personnel resources associated with testing of firing systems/ammunition, for testing of automotive materiel, for range training activities, and for non-firing mission requirements; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information, performs literature searches and varied data; assists in the integration of range safety and environmental policies with the scheduling process; assists in the scheduling of daily tests and related operations; assists in producing daily, weekly, and projected monthly schedules; and attends daily scheduling meetings. Consolidates/coordinates the scheduling requirements from range area/automotive test course users (includes government, contractors, tenant activities). Learns and applies established methods, procedures and techniques as well as non-standard applications. Analyzes the various schedules to determine workability and to identify possible scheduling conflicts involving resources, facilities, etc. Exercises tact, diplomacy, and persuasive ability to obtain cooperation and assistance of personnel in the scheduling process and in negotiating trade-offs in terms of facilities, instrumentation, data, time, and operational restrictions in executing test/training missions. Assists in making recommendations for the resolution of controversial problems. A senior government technical person must oversee the work and give final approval for actions/scheduling decisions that may be of a controversial nature.

**Training Range II.** Assists in performing technical work. Performs assignments that are not completely standardized or prescribed. Receives initial instructions, equipment requirements, and advice as needed. Work is reviewed for technical adequacy or conformity with instructions. Duties include actual target design, oversight of target fabrication, scheduling and coordination of all support required for target fabrication and placement as well as creating and maintaining records for all target fabrication efforts including costs, supply sources, time to complete, target design, and any issues/concerns. Keeps the range in a "ready state" for the user which includes preparing the range for each class iteration, maintaining the range during each class iteration, and cleaning up the range after each iteration. Performs range management and training area at training areas/ranges as required, including coordination of any upgrades and/or maintenance on the range infrastructure. Coordinates and manages clean up and disposal of residual target materials and range residue at regular intervals between course iterations. Assists with project efforts and works as a team member including active participation in the operation of the range during each course iteration by documenting course data and results/deficiencies. Participates in the design, planning and conduct of course iterations. Assists in ammunition management and preparation of risk assessment packages, and participating in project related meetings (IPRs, HAWGs, and AARs).

Qualifications:

1. 3 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. applicable experience; or 30 credit hours and 2 yr. applicable experience; or completion of a formal training program and 1 year applicable experience. Technician specialized areas include General, Electronic, Environmental, Range Control, Range Support, Test Participant, and Training Range.

**Technician III (WD)**

**Technician III (Wage Determined)**

**Job Description**

**Electronic III.** Works independently to perform standardized or prescribed assignments involving a sequence of related operations. Performs assigned phases of tests for which procedures have been developed and may require minimal modification to test procedures and test equipment. Uses a variety of standard references, guides, and precedents to obtain needed information and to select and adapt methods and procedures. Studies approved test plans and available engineering data and plans details on how to accomplish the assignment in the most efficient and economical manner. Determines sequences of procedures and the more common types of instrumentation which are necessary for the specific test and submits recommendations to higher level technicians for approval before proceeding. Reads instruments and checks results for unusual responses. Makes on the spot adjustment of subject material and instrumentation to relieve problems and/or notifies higher level technicians of problems or situations not previously encountered. Assists in the preparation of reports by reducing data which is generally carried out by using established formulas and techniques; modification to adapt these techniques to a new situation is first approved by higher level technicians. Assists in compiling and plotting test results for illustration in the technical report and writes portion of the report pertaining to investigation in which the incumbent has participated.

**Environmental III.** Works independently to perform environmental conservation, compliance, restoration and pollution prevention projects. Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations, but does not require professional knowledge and abilities to perform the work. Responsible for planning and conducting a block of work which is a complete conventional project of relatively limited scope or a portion of a larger project. Duties and responsibilities include: prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensures work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; prepares, reviews and coordinates environmental documents for both testing and construction activities; evaluates potential impacts of tests and site selection; recommends pollution prevention initiatives and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels; assists in preparing and coordinating environmental permits, applications, surveys and inspections; gathers information, performs literature searches and varied data collection, tracking, computing and summarizing of data relative to environmental efforts; consolidates data and reports environmental information; determines if results meet requirements and objectives and

recommends changes to incorporate additional factors or to adjust to findings and conclusions; inspects and evaluates facilities periodically or in response to requests to resolve problems or determine need for environmental modernization, alteration or repair; applies different but established methods, procedures and techniques requiring consideration of several possible courses of action and techniques and selecting the most appropriate to ensure minimizing violations and compliance of environmental laws and regulations; participates in the planning and collection of samples, takes samples, and accumulates information and material required for laboratory analysis; respond to and contains spills and releases; assists in day to day operating of 90 day hazardous waste storage facility and ensures compliance with all applicable federal, state, and local environmental statutes and regulations; and assures compliance with requirements and performs duties relative to receiving, labeling, marking, handling, storing, packaging, and disposing of hazardous property. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized environmental technology test facilities, ranges, and equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports.

**General III.** Works independently to perform assignments that are not completely standardized or prescribed. Selects or adapts standard procedures or equipment, using fully applicable precedents. Receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed; performs recurring work independently; work is reviewed for technical adequacy or conformity with instructions. Constructs components, subunits, or simple models or adapts standard equipment. May troubleshoot and correct malfunctions. Follows specific layout and scientific diagrams to construct and package simple devices and subunits of equipment. Conducts various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement; selects, sets up, and operates standard test equipment and records test data. Extracts and compiles a variety of engineering data from field notes, manuals, lab reports, etc.; processes data, identifying errors or inconsistencies; selects methods of data presentation. Assists in design modification by compiling data related to design, specifications, and materials which are pertinent to specific items of equipment or component parts. Develops information concerning previous operational failures and modifications. Uses judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.

**Range Control III.** Works independently in the execution of the Range Operations program, to include but not limited to: administers range control procedures, instructions, and danger zones necessary in the firing and other use of ammunition and explosives in all types of test/training operations; manages APG's restricted water, airspace and the APG Range; performing range surveys and inspections of test sites; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; and gathers information, performs literature searches and varied data. Studies data on all systems for testing and training and observes procedures of firing of standard and experimental weapons and munitions in order to apply proper charts and regulations and to recognize the need for necessary departure from scheduled programs, new regulations, or revision of regulations and recommends changes to senior government technical person. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Recommends alternative solutions within prescribed range safety regulations when incompatibility and/or hazards exist; however, the government technical person must approve deviations from established and approved procedures. Work requires wide knowledge of standard range safety danger zones and classification for ammunition and explosives to minimize the potential for causing loss of life and property. Serve as a range controller and discharges responsibility for life and property

associated with range operations by controlling all ordnance test firings, air traffic, work parties, and other similar activities on APG on a day-to-day basis.

**Range Support III.** Works independently in the execution of the Range Scheduling program, to include but not limited to: manages the scheduling requirements for operational resources (facilities, equipment, personnel, and skills) of ATC; validates the schedules for physical and personnel resources associated with testing of firing systems/ammunition, for testing of automotive materiel, for range training activities, and for non-firing mission requirements; makes recommendations for the resolution of controversial problems; assisting in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information, performs literature searches and varied data; assists in the integration of range safety and environmental policies with the scheduling process; assists in the scheduling of daily tests and related operations; produces daily, weekly, and projected monthly schedules; and attends daily scheduling meetings to discuss/resolve daily and long range scheduling operational problems. Chairs the daily scheduling meetings upon requests. Consolidates/coordinates the scheduling requirements from range area/automotive test course users (includes government, contractors, tenant activities). Performs scheduling duties frequently within critical time restraints. Applies established and non-standard methods, procedures and techniques. Participates in the resolution of controversial problems, reviews recommendations for feasibility and test/training planning and scheduling of work. Exercises tact, diplomacy, and persuasive ability to obtain cooperation and assistance of personnel in the scheduling process and in negotiating trade-offs in terms of facilities, instrumentation, data, time, and operational restrictions in executing test/training missions. Analyzes the various schedules to determine workability and to identify possible scheduling conflicts involving resources, facilities, etc.

**Training Range III.** Works independently in performing assignments that are not completely standardized or prescribed. Receives initial instructions, equipment requirements, and advice from senior test officers or engineer as needed. Work is reviewed for technical adequacy or conformity with instructions. Duties include actual target design, oversight of target fabrication, scheduling and coordination of all support required for target fabrication and placement as well as creating and maintaining records for all target fabrication efforts including costs, supply sources, time to complete, target design, and any issues/concerns. Keeps the range in a "ready state" for the user which includes preparing the range for each class iteration, maintaining the range during each class iteration, and cleaning up the range after each iteration. Performs range management and training area at training areas/ranges as required, including coordination of any upgrades and/or maintenance on the range infrastructure. Coordinates and manages clean up and disposal of residual target materials and range residue at regular intervals between course iterations. Assists with project efforts and works as a team member including active participation in the operation of the range during each course iteration by documenting course data and results/deficiencies. Participates in the design, planning and conduct of course iterations. Assists in ammunition management and preparation of risk assessment packages, and participating in project related meetings (IPRs, HAWGs, and AARs).

**Qualifications:**

1. 5 yr. applicable experience; or at least 60 credit hours or an Associate Degree and 3 yr. applicable experience; or 30 credit hours and 4 years applicable experience; or completion of a formal training program and 3 yr. applicable experience; or a Bachelor's Degree and 1 yr. applicable experience.
2. For Technician III (Computer Cabling/Networks), must possess a training certificate that would document their professional training in the area of fiber cable termination practices.

Technician specialized areas include General, Electronic, Environmental, Range Control, Range Support, Test Participant, and Training Range.

## Technician IV (WD)

### Technician IV (Wage Determined)

#### Job Description

**Electronic IV.** Works independently to plan and conduct conventional test and evaluation projects of a limited scope, or a portion of a larger and more diverse project involving electronic items/systems. Accomplishes limited phases of larger tests and evaluation of projects. Plans the details on how to accomplish the assignment in the most efficient and economic manner according to the specification of the test plan or directive. Uses a variety of standard references, guides, and precedents to obtain needed information and to select and adapt methods and procedures. Studies approved test plans and available engineering data and plans details on how to accomplish the assignment in the most efficient and economical manner. Determines sequences of procedures, and the more common types of instrumentation which are necessary for the specific test before proceeding. Reads instruments and checks results for unusual responses. Makes on the spot adjustments of subject material and instrumentation to relieve problems. Prepares reports by reducing data which is generally carried out by using established formulas and techniques. Compiles and plots test results for illustration in the technical report and writes reports. Performs inventory management and prepares supply requests.

**Environmental IV.** Works independently to perform environmental conservation, compliance, restoration and pollution prevention projects. The work requires the application of a considerable number of different but established methods, procedures and techniques requiring consideration of several possible courses of action and techniques and selecting the most appropriate. Work requires application of a practical knowledge of environmental technology and engineering methods and techniques as well as the practical knowledge and understanding of environmental laws and regulations, but does not require professional knowledge and abilities to perform the work. Duties and responsibilities include: plans and conducts a block of work which is a complete conventional project of relatively limited scope or a portion of a larger and more diverse project; prepares, reviews, advises and comments on plans and documents pertaining to assigned projects; evaluates and prepares cost analyses for projects; establishes schedules and ensuring work is completed in required timeframe according to design and regulatory requirements; reviews documents presented for sound design procedures and practices to ensure compliance with local, state, and federal environmental laws and regulations; reviews and amends as necessary test programs, test procedures and facility designs to ensure that implementation of environmental constraints are done in a manner to meet mission requirements for testing and concurrently provide for environmental compliance and enhancement; reviews and coordinates environmental documents; ensures proper documents are prepared and staffed for both testing and construction activities; evaluates potential impacts of tests and determining site selection as well as pollution prevention initiatives and coordinates and monitors mitigation measures; attends meetings and other environmental working groups, committees, and panels; prepares and coordinates environmental permits, applications, surveys and inspections; gathers information, performing literature searches and varied data collection, tracking, computing and summarizing of data relative to environmental efforts; consolidates data and reports environmental information; determines if results meet requirements and objectives and often makes changes necessary to incorporate additional factors or to adjust to findings and conclusions which could not be predicated accurately in original plans; inspects and evaluates



facilities periodically or in response to requests to resolve problems or determine need for environmental modernization, alteration or repair; applying a considerable number of different but established methods, procedures and techniques requiring consideration of several possible courses of action and techniques and selecting the most appropriate to ensure minimizing violations and compliance of environmental laws and regulations; participates in the planning and collection of samples, takes samples, and accumulates information and material required for laboratory analysis; responds to and contains spills and releases; assists in day to day operating of 90 day hazardous waste storage facility and ensures compliance with all applicable federal, state, and local environmental statutes and regulations; and assures compliance with requirements relative to receiving, labeling, marking, handling, storing, packaging, and disposing of hazardous property. Work requires the ability to apply established instructions, rules, regulations, and procedures relevant to environmental activities. Responsible for the scheduling, operation, and maintenance of specialized environmental technology test facilities, ranges, or equipment. Writes detailed test plans, risk assessment, job hazard analysis, memorandum, test records, and final test reports. Performs inventory management and prepares supply requests.

**General IV.** Works independently to perform non-routine assignments of substantial variety and complexity, using operational precedents which are not fully applicable. Such assignments, which are typically parts of broader assignments, are screened to eliminate unusual design problems. May also plan such assignments. Receives technical advice from supervisor or engineer; work is reviewed for technical adequacy (or conformity with instructions). Develops or reviews designs by extracting and analyzing a variety of engineering data. Applies conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, electrical drawings and parts lists. Examples of designs include: detailed circuit diagrams; hardware fittings or test equipment involving a variety of mechanisms; conventional piping systems; and building site layouts. Conducts tests or experiments requiring selection and adaptation or modification of a wide variety of critical test equipment and test procedures; sets up and operates equipment; records data, measures and records problems of significant complexity that sometimes require resolution at a higher level; and analyzes data and prepares test reports. Applies methods outlined by others to limited segments of research and development projects; constructs experimental or prototype models to meet engineering requirements; conducts tests or experiments and redesigns as necessary; and records and evaluates data and reports findings. Performs inventory management and prepares supply requests.

**Range Control IV.** Works independently to perform non-routine assignments of substantial variety and complexity, using operational precedents which are not fully applicable. Responsible for the following: administers range control procedures, instructions, and danger zones necessary in the firing and other use of ammunition and explosives in all types of test/training operations; manages APG's restricted water, airspace and the APG Range; perform range surveys and inspections of test sites; assists in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information, performs literature searches and varied data; attendance at scheduling meetings and pretest conferences; on-site coordination of operations; investigates range accidents/incidents; and provides technical guidance and advice to supervisors, test officers, range safety officers and test personnel. Studies data on all systems for testing and training and observes procedures of firing of standard and experimental weapons and munitions in order to apply proper charts and regulations and to recognize the need for necessary departure from scheduled programs, new regulations, or revision of regulations and recommends changes to senior government technical person. Reviews and/or participates in development of risk assessments and hazard analyses for hazardous operations. Recommends alternative solutions within prescribed range safety regulations when incompatibility and/or hazards exist; however, the government technical person

must approve deviations from established and approved procedures. Work requires wide knowledge of standard range safety danger zones and classification for ammunition and explosives to minimize the potential for causing loss of life and property. Possesses expertise, gained through years of experience in the range safety field and various safety schools to serve as a range controller and discharges responsibility for life and property associated with range operations by controlling all ordnance test firings, air traffic, work parties, and other similar activities on APG on a day-to-day basis. Modifies and extends accepted range principles and practices and where available precedents are not directly applicable, develops and recommends alternative solutions within prescribed range safety regulations when incompatibility and/or hazards exist. Evaluates the seriousness of problems encountered in range safety matters and keeps the government technical personnel informed of major problems and unusual work situations.

**Range Support IV.** Works independently in the execution of the Range Scheduling program, to include but not limited to: manages the scheduling requirements for operational resources (facilities, equipment, personnel, and skills) of ATC; validates the schedules for physical and personnel resources associated with testing of firing systems/ammunition, for testing of automotive materiel, for range training activities, and for non-firing mission requirements; makes recommendations for the resolution of controversial problems; assisting in the preparation, review, and commenting on plans and documents pertaining to assigned projects; gathers information, performs literature searches and varied data; assists in the integration of range safety and environmental policies with the scheduling process; assists in the scheduling of daily tests and related operations; produces daily, weekly, and projected monthly schedules; and attends daily scheduling meetings to discuss/resolve daily and long range scheduling operational problems. Chairs the daily scheduling meetings upon requests. Consolidates/coordinates the scheduling requirements from range area/automotive test course users (includes government, contractors, tenant activities). Performs scheduling duties frequently within critical time restraints. Applies established and non-standard methods, procedures and techniques. Participates in the resolution of controversial problems, reviews recommendations for feasibility and test/training planning and scheduling of work. Exercises tact, diplomacy, and persuasive ability to obtain cooperation and assistance of personnel in the scheduling process and in negotiating trade-offs in terms of facilities, instrumentation, data, time, and operational restrictions in executing test/training missions. Analyzes the various schedules to determine workability and to identify possible scheduling conflicts involving resources, facilities, etc.

**Qualifications:**

1. 7 years applicable experience; or at least 60 credit hours or an Associate's Degree and 5 years applicable experience; or 30 credit hours and 6 years applicable experience; or completion of a formal training program and 5 years applicable experience; or a Bachelor's Degree and 3 years applicable experience; or a Master's Degree and 1 year applicable experience.
2. For Technician IV, Computer Cabling/Networks must possess a training certificate that would document their professional training in the area of fiber cable termination practices. Technician specialized areas include General, Electronic, Environmental, Range Control, Range Support, Test Participant, and Training Range.

## Technologist

<b>Technologist (Exempt)</b>
<b>Job Description</b>
<p>May serve as a supervisor responsible for supervising and providing technical advice and assistance to subordinates. Works totally independently on non-routine, nonrecurring work requests to include the following: designing equipment/processes; analyzing; resolving problems; managing projects, studies or tests; interpreting/evaluating situations and/or data; specifying tests; developing prototypes; operating pilot plants/facilities/projects; preparing specifications; troubleshooting complex equipment; developing solutions; writing reports; monitoring quality control; scheduling/planning; coordinating work; designing; drafting; and preparing estimates. Applies applied science, information and/or engineering principles based on a comprehensive understanding of a specific technology to resolve problems. Provides management oversight on a wide range of technical endeavors, and supervises and coordinates a diverse working group and trains less experienced technical and professional staff. Selects approaches to resolve operational problems; visualizes and develops new techniques or methods as needed for effective data presentations. Very limited general supervisory guidance is received from next level of management.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have a Bachelor's Degree in specialization or related discipline and 9 yr. applicable experience; or Master's Degree in specialization or related discipline and 7 yr. applicable experience; or Doctorate Degree in specialization or related discipline and 5 yr. applicable experience.</li><li>2. Must have 5 yr. experience leading/supervising.</li></ol>

## Technologist Assistant

<b>Technologist Assistant (Exempt)</b>
<b>Job Description</b>
<p>Responsibilities are diversified and include performing the following functions: designing equipment/processes; analyzing; resolving problems; conducting projects, studies or tests; interpreting/evaluating situations and/or data; specifying standard tests; developing prototypes; operating pilot plants/facilities/projects; preparing specifications; troubleshooting complex equipment; developing solutions; writing reports; monitoring quality control; scheduling/planning; coordinating work; designing; drafting; and preparing estimates. May assume administrative responsibility for a wide range of technical endeavors to include coordinating the efforts of a diverse working group, and training less experienced technical staff. Recommends general approaches to resolve operational problems; visualizes and develops new techniques or methods as needed. General guidance is received on specific assignments from next level of management.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 8 yr. applicable experience; or an Associate's Degree in specialization or related discipline and 6 yr. applicable experience; or Bachelor's Degree in specialization or related discipline and 4 yr. applicable experience; or Master's Degree in specialization or related discipline and 2 yr. applicable experience.</li></ol>

## Technologist Associate

<b>Technologist Associate (Exempt)</b>
<b>Job Description</b>
<p>Serves as a working leader responsible for leading and providing technical advice and assistance. Works independently to perform assignments that are not completely standardized or prescribed. Selects or adapts standard procedures or equipment, using fully applicable precedents. Provides support to include equipment management, inventory control, property control, warehousing, acquisition, quality control, receiving, shipping, assembly, packaging and transportation. Operates and updates computerized logistic systems. Plans, coordinates and conducts logistics projects. Work requires professional knowledge of logistics principles, techniques and practices and logistics programs and issues. Prepares written plans, reports, schedules and milestones. Develops project plans, outlines procedures and issues, and identifies long and short-term goals and objectives. Participates in/leads audit teams to conduct inspections of facilities and operations to ensure compliance with logistics regulations. Gathers data, analyzes and assists in interpreting data and reports. Coordinates issues pertaining to compliance and corrective actions. Develops and conducts various logistics training. Participates in meetings regarding logistics concerns related to the assigned projects.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"> <li>1. Must have an Associate's Degree in specialization or related discipline and 7 yr. applicable experience; or a Bachelor's Degree in specialization or related discipline and 5 yr. applicable experience; or a Master's Degree in specialization or related discipline and 3 yr. applicable experience; or a Doctorate Degree in specialization or related discipline and 1 yr. applicable experience.</li> <li>2. Must have 3 yr. experience leading/supervising.</li> </ol>

## Test Facilities Technician I

<b>Test Facilities Technician I (2424 CBA)</b>
<b>Job Description</b>
<p>Serves as multi-skilled technician performing a variety of construction and retrofitting tasks involving the inspection and retrofit of various types of test facilities and infrastructure to include: interior, exterior, fixtures, and utilities. Requires a working knowledge of a variety of trade practices. Assignments include visual checks and operational tests to determine the nature and extent of retrofitting required to accommodate testing.</p> <p>Carpentry/Masonry/Roofing/Blueprints - Repairs, replaces and or retrofits test facility components in order to accommodate test mission. Interior work includes, but is not limited to, floors, ceilings, walls, windows, doors, porches, interior equipment, ladders, fixtures, etc. Exterior includes, but is not limited to, concrete, brick, metal ductwork, flashing, gutters, downspouts, ridge rolls, target pads, etc. Required to read blue prints to locate utility closets, determine square footage, etc.</p> <p>HVAC/Electrical/Electronic/ Plumbing - Installs and repairs equipment for construction projects and systems in support of various test missions. Inspects test facility equipment such as HVAC and electrical systems for defects and corrects as necessary. Required to read blue prints to locate utilities, determine square footage, etc.</p>

Installation and Repair of Range Roads/Landscaping – Installs and repairs range roads/test pads, grading, landscaping duties, digging utility trenches, and finish site stabilization (seeding/covering), etc.

Qualifications:

1. 1 yr. applicable experience; or completion of formal training.
2. Approximately 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Test Facilities Technician II**

**Test Facilities Technician II (2424 CBA)**

**Job Description**

Serves as multi-skilled technician performing a variety of construction and retrofitting tasks involving the inspection and retrofit of various types of test facilities and infrastructure to include: interior, exterior, fixtures, and utilities. Requires a working knowledge of a variety of trade practices. Assignments include visual checks and operational tests to determine the nature and extent of retrofitting required to accommodate testing.

Carpentry/Masonry/Roofing/Blueprints - Repairs, replaces and or retrofits test facility components in order to accommodate test mission. Interior work includes, but is not limited to, floors, ceilings, walls, windows, doors, porches, interior equipment, ladders, fixtures, etc. Exterior includes, but is not limited to, concrete, brick, metal ductwork, flashing, gutters, downspouts, ridge rolls, target pads, etc. Required to read blue prints to locate utility closets, determine square footage, etc.

HVAC/Electrical/Electronic/ Plumbing - Installs and repairs equipment for construction projects and systems in support of various test missions. Inspects test facility equipment such as HVAC and electrical systems for defects and corrects as necessary. Required to read blue prints to locate utilities, determine square footage, etc.

Installation and Repair of Range Roads/Landscaping – Installs and repairs range roads/test pads, grading, landscaping duties, digging utility trenches, and finish site stabilization (seeding/covering), etc.

Qualifications:

1. 3 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and 1 yr. applicable experience; or 30 credit hours and 2 yr. applicable experience; or completion of a formal training program and 1 yr. applicable experience.
2. Approximately 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Test Facilities Technician III**

**Test Facilities Technician III (2424 CBA)**

**Job Description**

Serves as multi-skilled technician performing a variety of construction and retrofitting tasks involving the inspection and retrofit of various types of test facilities and infrastructure to include: interior, exterior, fixtures, and utilities. Requires a working knowledge of a variety of trade practices. Assignments include visual checks and operational tests to determine the nature and extent of retrofitting required to accommodate testing.

Carpentry/Masonry/Roofing/Blueprints - Repairs, replaces and or retrofits test facility components in order to accommodate test mission. Interior work includes, but is not limited to, floors, ceilings, walls, windows, doors, porches, interior equipment, ladders, fixtures, etc. Exterior includes, but is not limited to, concrete, brick, metal ductwork, flashing, gutters, downspouts, ridge rolls, target pads, etc. Required to read blue prints to locate utility closets, determine square footage, etc.

HVAC/Electrical/Electronic/ Plumbing - Installs and repairs equipment for construction projects and systems in support of various test missions. Inspects test facility equipment such as HVAC and electrical systems for defects and corrects as necessary. Required to read blue prints to locate utilities, determine square footage, etc.

Installation and Repair of Range Roads/Landscaping – Installs and repairs range roads/test pads, grading, landscaping duties, digging utility trenches, and finish site stabilization (seeding/covering), etc.

Qualifications:

1. 5 yr. applicable experience; or at least 60 credit hours or an Associate Degree and 3 yr. applicable experience; or 30 credit hours and 4 yr. applicable experience; or completion of a formal training program and 3 yr. applicable experience or a Bachelor's Degree and 1 yr. applicable experience.
2. Shall possess a Journeyman's License in a trade (e.g. Electrical, Plumbing, or HVAC).
3. Approximately 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

**Test Facilities Technician IV**

<b>Test Facilities Technician IV (2424 CBA)</b>
<b>Job Description</b>
<p>Serves as multi-skilled technician performing a variety of construction and retrofitting tasks involving the inspection and retrofit of various types of test facilities and infrastructure to include: interior, exterior, fixtures, and utilities. Requires a working knowledge of a variety of trade practices. Assignments include visual checks and operational tests to determine the nature and extent of retrofitting required to accommodate testing.</p> <p>Carpentry/Masonry/Roofing/Blueprints - Repairs, replaces and or retrofits test facility components in order to accommodate test mission. Interior work includes, but is not limited to, floors, ceilings, walls, windows, doors, porches, interior equipment, ladders, fixtures, etc. Exterior includes, but is not limited to, concrete, brick, metal ductwork, flashing, gutters, downspouts, ridge rolls, target pads, etc. Required to read blue prints to locate utility closets, determine square footage, etc.</p> <p>HVAC/Electrical/Electronic/ Plumbing - Installs and repairs equipment for construction projects and systems in support of various test missions. Inspects test facility equipment such as HVAC and electrical systems for defects and corrects as necessary. Required to read blue prints to locate utilities, determine square footage, etc.</p>

Installation and Repair of Range Roads/Landscaping – Installs and repairs range roads/test pads, grading, landscaping duties, digging utility trenches, and finish site stabilization (seeding/covering), etc.

Qualifications:

1. 7 yr. applicable experience; or at least 60 credit hours or an Associate's Degree and 5 yr. applicable experience; or 30 credit hours and 6 yr. applicable experience; or completion of a formal training program and 5 yr. applicable experience; or a Bachelor's Degree and 3 yr. applicable experience.
2. Must have 3 yr. experience leading/supervising.
3. Shall possess a Journeyman's License in a trade (e.g. Electrical, Plumbing, or HVAC).
4. Approximately 50% of all levels combined shall be Respiratory Protection qualified, to include medical screening, fit checks, and Respiratory Protection Training, as dictated by Mission requirements.

### Test Support Technician I

#### Test Support Technician I (TST) (2424 CBA)

##### Job Description

Supports testing of military equipment and maintenance of ranges, buildings, and equipment; plans, coordinates, and executes required tasks; observes work in progress to anticipate and resolve problems and to check for quality and consistency. Requires the operation of hand and power tools and grass maintenance tools to include weed-eaters, blowers, and zero-turn mowers; and the operation of Government-owned vehicles and material-handling equipment. Supports testing with test setup; moves items and vehicles to and from ranges and test courses; installs payloads; digs trenches for instrumentation cables; operates general support equipment such as power generators, forklifts, etc.; and performs cleanup after testing. Uses large range maintenance equipment, to include farm tractors with attachments, material-handling equipment, and small construction equipment such as skid-loaders and mini-excavators, straw blower, hydro seeder, and batwing mowers up to 20 feet wide. Assigns appropriately trained/licensed personnel for range maintenance projects to include mowing of impact ranges where exposure to unexploded ordnance (UXO) is a risk. Oversees the movement of ammunition for transport, storage, and testing and the transport of arms, including small arms and mortars, to various ranges. Supports the operation and firing of weapon systems. Performs heavy physical tasks, and the movement of heavy or bulky items, in support of tasks such as the installation of Erosion and Sediment controls, test target construction and placement, preparation of large clay blocks, material handling to include soils and sand, and general policing and garbage removal operations. Performs Test Center maintenance to include grass mowing, leaf cleanup, and snow/ice removal.

Qualifications:

1. 1 yr. of applicable experience. Must possess basic computer skills.
2. 50% shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. 25% shall possess a Class A Commercial Driver's License (CDL).
4. Shall possess a license to operate forklift(s) and other required support equipment.

### Test Support Technician II

#### Test Support Technician II (TST) (2424 CBA)

**Job Description**

Supports testing of military equipment and maintenance of ranges, buildings, and equipment; plans, coordinates, and executes required tasks; observes work in progress to anticipate and resolve problems and to check for quality and consistency. Requires the operation of hand and power tools and grass maintenance tools to include weed-eaters, blowers, and zero-turn mowers; and the operation of Government-owned vehicles and material-handling equipment. Supports testing with test setup; moves items and vehicles to and from ranges and test courses; installs payloads; digs trenches for instrumentation cables; operates general support equipment such as power generators, forklifts, etc.; and performs cleanup after testing. Uses large range maintenance equipment, to include farm tractors with attachments, material-handling equipment, and small construction equipment such as skid-loaders and mini-excavators, straw blower, hydro seeder, and batwing mowers up to 20 feet wide. Assigns appropriately trained/licensed personnel for range maintenance projects to include mowing of impact ranges where exposure to unexploded ordnance (UXO) is a risk. Oversees the movement of ammunition for transport, storage, and testing and the transport of arms, including small arms and mortars, to various ranges. Supports the operation and firing of weapon systems. Performs heavy physical tasks, and the movement of heavy or bulky items, in support of tasks such as the installation of Erosion and Sediment controls, test target construction and placement, preparation of large clay blocks, material handling to include soils and sand, and general policing and garbage removal operations. Performs Test Center maintenance to include grass mowing, leaf cleanup, and snow/ice removal.

**Qualifications:**

1. 2 yr. of applicable experience. Must possess basic computer skills.
2. 50% shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
3. 25% shall possess a Class A Commercial Driver's License (CDL).
4. Shall possess a license to operate forklift(s) and other required support equipment.

**Test Support Technician III****Test Support Technician III (TST) (2424 CBA)****Job Description**

Supports testing of military equipment and maintenance of ranges, buildings, and equipment; plans, coordinates, and executes required tasks; observes work in progress to anticipate and resolve problems and to check for quality and consistency. Requires the operation of hand and power tools and grass maintenance tools to include weed-eaters, blowers, and zero-turn mowers; and the operation of Government-owned vehicles and material-handling equipment. Supports testing with test setup; moves items and vehicles to and from ranges and test courses; installs payloads; digs trenches for instrumentation cables; operates general support equipment such as power generators, forklifts, etc.; and performs cleanup after testing. Uses large range maintenance equipment, to include farm tractors with attachments, material-handling equipment, and small construction equipment such as skid-loaders and mini-excavators, straw blower, hydro seeder, and batwing mowers up to 20 feet wide. Assigns appropriately trained/licensed personnel for range maintenance projects to include mowing of impact ranges where exposure to unexploded ordnance (UXO) is a risk. Oversees the movement of ammunition for transport, storage, and testing and the transport of arms, including small arms and mortars, to various ranges. Supports the operation and firing of weapon systems. Performs heavy physical tasks, and the movement of heavy or bulky items, in support of tasks such as the installation of Erosion and Sediment controls, test target construction and placement, preparation of large clay blocks,



material handling to include soils and sand, and general policing and garbage removal operations. Performs Test Center maintenance to include grass mowing, leaf cleanup, and snow/ice removal.

Qualifications:

1. 3 yr. of applicable experience. Must possess basic computer skills.
2. Must have demonstrated leadership ability.
3. 50% shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% shall possess a Class A Commercial Driver's License (CDL).
5. Shall possess a license to operate forklift(s) and other required support equipment.

### Test Support Technician IV

#### Test Support Technician IV (TST) (2424 CBA)

##### Job Description

Supports testing of military equipment and maintenance of ranges, buildings, and equipment; plans, coordinates, and executes required tasks; observes work in progress to anticipate and resolve problems and to check for quality and consistency. Requires the operation of hand and power tools and grass maintenance tools to include weed-eaters, blowers, and zero-turn mowers; and the operation of Government-owned vehicles and material-handling equipment. Supports testing with test setup; moves items and vehicles to and from ranges and test courses; installs payloads; digs trenches for instrumentation cables; operates general support equipment such as power generators, forklifts, etc.; and performs cleanup after testing. Uses large range maintenance equipment, to include farm tractors with attachments, material-handling equipment, and small construction equipment such as skid-loaders and mini-excavators, straw blower, hydro seeder, and batwing mowers up to 20 feet wide. Assigns appropriately trained/licensed personnel for range maintenance projects to include mowing of impact ranges where exposure to unexploded ordnance (UXO) is a risk. Oversees the movement of ammunition for transport, storage, and testing and the transport of arms, including small arms and mortars, to various ranges. Supports the operation and firing of weapon systems. Performs heavy physical tasks, and the movement of heavy or bulky items, in support of tasks such as the installation of Erosion and Sediment controls, test target construction and placement, preparation of large clay blocks, material handling to include soils and sand, and general policing and garbage removal operations. Performs Test Center maintenance to include grass mowing, leaf cleanup, and snow/ice removal.

Qualifications:

1. 4 yr. of applicable experience. Must possess basic computer skills.
2. Must have demonstrated leadership ability.
3. 50% shall possess an Ammunition Certification Level I in accordance with ATC Regulation 350-8 within 6 months of employment.
4. 25% shall possess a Class A Commercial Driver's License (CDL).
5. Shall possess a license to operate forklift(s) and other required support equipment.

### Transportability Operator I

#### Transportability Operator I (2424 CBA)

##### Job Description

Provides test setup support for transportability test operations. Rigging support for test operations ranging from general rigging for lift testing, proof testing, helicopter sling loading rigging/hookup, internal air transport testing, rail impact testing or any unique testing for the Transportability test mission. Serves as rigging inspector for test verification and new testing procedures. Operates, maintains and calibrates instrumentation required for all aspects of Transportability testing. Repairs instrumentation and cabling for data acquisition systems or other instrumentation used during transportability testing. Supports all aspects of Rail Impact testing to include Train operations, inspection of load and tie down configurations, and verification prior to and during Rail Impact testing of test configuration and load restraint for consistency with established military and commercial guidance and/or technical direction of ATC Rail Impact Coordinator. Performs or assists in a variety of test and unique logistical support tasks to include but not limited to: secures cargo in or aboard commercial and military cargo carriers such as trucks, vans, trailers, railroad cars, sea vans, barges and ships to prevent damage during its transportation. Conducts various tests or experiments, which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications. Performs woodworking construction assignments that may not be completely standardized or prescribed in support of various programs and directorates.

Qualifications:

1. 1 yr. applicable experience; or completion of formal training.
2. Shall possess Overhead Bridge Crane Operator License.
3. Shall possess Rail Conductor (Brakeman) License within 6 months of employment.
4. Shall possess NCCO Rigger certification within 1 year of employment.
5. Shall possess Sling Load Inspector certification within 2 years of employment.

**Transportability Operator II**

<b>Transportability Operator II (2424 CBA)</b>
<b>Job Description</b>
<p>Provides test setup support for transportability test operations. Rigging support for test operations ranging from general rigging for lift testing, proof testing, helicopter sling loading rigging/hookup, internal air transport testing, rail impact testing or any unique testing for the Transportability test mission. Serves as rigging inspector for test verification and new testing procedures. Operates, maintains and calibrates instrumentation required for all aspects of Transportability testing. Repairs instrumentation and cabling for data acquisition systems or other instrumentation used during transportability testing. Supports all aspects of Rail Impact testing to include Train operations, inspection of load and tie down configurations, and verification prior to and during Rail Impact testing of test configuration and load restraint for consistency with established military and commercial guidance and/or technical direction of ATC Rail Impact Coordinator. Performs or assists in a variety of test and unique logistical support tasks to include but not limited to: secures cargo in or aboard commercial and military cargo carriers such as trucks, vans, trailers, railroad cars, sea vans, barges and ships to prevent damage during its transportation. Conducts various tests or experiments, which may require modifications in test setups or procedures as well as subjective judgments in measurement. Identifies errors or inconsistencies and takes appropriate</p>

steps by advising senior test officer/engineer for guidance. Extracts, documents, and reports various forms of engineering/test data from various prescribed but non-standardized sources; processes the data following well-defined methods; presents the data in prescribed form. Develops and documents information concerning previous operational failures and modifications. Performs woodworking construction assignments that may not be completely standardized or prescribed in support of various programs and directorates.

Qualifications:

1. 3 yr. applicable experience; or completion of a formal training program and 1 yr. applicable experience.
2. Must have 1 yr. experience leading/supervising.
3. Shall possess Overhead Bridge Crane Operator License.
4. Shall possess Rail Conductor (Brakeman) License within 6 months of employment.
5. Shall possess NCCO Rigger certification within 1 year of employment.
6. Shall possess Sling Load Inspector certification within 2 years of employment.

**Warehouse Specialist**

**Warehouse Specialist (2424 CBA)**

**Job Description**

Performs a variety of warehousing duties, both clerical and physical in nature, which require an understanding of storage and inventory control best practices, and the ATC-specific storage plan. Verifies materials against receiving documents, notes and reports discrepancies and obvious damage; routes materials to prescribed storage locations; stores, stacks, or palletizes materials in accordance with prescribed storage methods; rearranges and takes inventory of stored materials; examines stored materials and reports deterioration and damage; removes material from storage and prepares it for shipment. May operate hand or power trucks in performing warehousing duties. Receives, stores, and issues equipment, materials, supplies, merchandise, or tools, and compiles stock records of items in stockroom, warehouse or storage yard. Counts, sorts, or weighs incoming articles to verify receipt of items on requisition or invoice. Examines stock to verify conformance to specifications. Issues supplies from stock. Requisitions articles to fill incoming orders. Compiles reports on use of stock handling equipment, adjustments of inventory counts and stock records, spoilage of or damage to stock, location changes, and refusal of shipments. Receives, stores, and issues hand tools, machine tools, dies, replacement parts, shop supplies and equipment, such as measuring devices, in tool cribs. Keeps records of tools issued to and returned by workers. Searches for lost or misplaced tools. Services, maintains, repairs, or makes adjustments to articles carried in stock.

Uses standard Army management information systems.

Qualifications:

1. Must have 1 yr. applicable experience.
2. 25% shall possess a Class A Commercial Driver's License (CDL).
3. Shall possess a license to operate forklift(s) and other required support equipment.

**IT Professional – Network Jr.**

**IT Professional - Network Jr. (Exempt)**

## Job Description

Performs network configuration and performance monitoring including troubleshooting, monitoring, and support; event and performance monitoring; networking: TCP/IP, firewalls, routing, VLANs, general network troubleshooting, network resource allocation and utilization; network configuration, including the installation, configuration and maintenance of networking related hardware and software; performance tuning, capacity planning, and bottleneck resolution; administration of network resources; building and maintaining high-availability, network systems; load balancing, network configuration and installation; performance and network monitoring tools; systems upgrades and migrations; strong troubleshooting skills with networking hardware and software; routing protocols BGP, EIGRP and OSPF, Layer 2, and Cisco VSS/VSP. Plans, coordinates and conducts network design reviews, changes, assessments, studies and networking related projects. Reviews and prepares network design plans, forms and procedures, reports and related documents. Plans, arranges, manages and conducts network upgrades and preliminary analysis work in support of network changes. Prepares, coordinates and/or reviews written plans, schedules and milestones for accomplishing goals. Monitors network performance for trends and analysis. Incorporates DoD, Army Regulatory, and Command policies and regulations into project design, implementation and evaluation. Participates as part of a team in Network Management and Cybersecurity compliance personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates in and conducts inspections with audit teams of facilities and operations to ensure compliance with network security guidelines and network infrastructure policies. Monitors network operations to identify and rectify problems. Installs network components, including switches, routers, firewalls, VPN appliances and Wireless Access Points. Upgrades Network Operating Systems and maintains configuration control for device management in compliance with existing policies. Gathers data and analyzes performance criteria to avoid network bottlenecks, minimize network downtime, and recommend the needs for improvements or further study. Prepares network documentation and responds to network trouble tickets concerning user access and network outages. Demonstrates an understanding of network troubleshooting with various diagnostic tools, including experience with discovery packages, packet analyzers, appropriate security technologies, and network management applications. Participates in meetings regarding network concerns related to the assigned projects. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs, and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments.

### Qualifications:

1. Must have 1 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

## IT Professional – Network Int.

### IT Professional - Network Int. (Exempt)

#### Job Description

Performs network configuration and performance monitoring including troubleshooting, monitoring, and support; event and performance monitoring; networking: TCP/IP, firewalls, routing, VLANs, general network troubleshooting, network resource allocation and utilization; network configuration, including the installation, configuration and maintenance of networking related hardware and software; performance tuning, capacity planning, and bottleneck resolution; administration of network resources; building and maintaining high-availability, network systems; load balancing, network configuration and installation; performance and network monitoring tools; systems upgrades and migrations; strong troubleshooting skills with networking hardware and software; routing protocols BGP, EIGRP and OSPF, Layer 2, and Cisco VSS/VSP. Plans, coordinates and conducts network design reviews, changes, assessments, studies and networking related projects. Reviews and prepares network design plans, forms and procedures, reports and related documents. Plans, arranges, manages and conducts network upgrades and preliminary analysis work in support of network changes. Prepares, coordinates and/or reviews written plans, schedules and milestones for accomplishing goals. Monitors network performance for trends and analysis. Incorporates DoD, Army Regulatory, and Command policies and regulations into project design, implementation and evaluation. Participates as part of a team in Network Management and Cybersecurity compliance personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates in and conducts inspections with audit teams of facilities and operations to ensure compliance with network security guidelines and network infrastructure policies. Monitors network operations to identify and rectify problems. Installs network components, including switches, routers, firewalls, VPN appliances and Wireless Access Points. Upgrades Network Operating Systems and maintains configuration control for device management in compliance with existing policies. Gathers data and analyzes performance criteria to avoid network bottlenecks, minimize network downtime, and recommend the needs for improvements or further study. Prepares network documentation and responds to network trouble tickets concerning user access and network outages. Demonstrates an understanding of network troubleshooting with various diagnostic tools, including experience with discovery packages, packet analyzers, appropriate security technologies, and network management applications. Participates in meetings regarding network concerns related to the assigned projects. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs, and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments.

#### Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

## IT Professional – Network Sr.

### IT Professional - Network Sr. (Exempt)

#### Job Description

Performs network configuration and performance monitoring including troubleshooting, monitoring, and support; event and performance monitoring; networking: TCP/IP, firewalls, routing, VLANs, general network troubleshooting, network resource allocation and utilization; network configuration, including the installation, configuration and maintenance of networking related hardware and software; performance tuning, capacity planning, and bottleneck resolution; administration of network resources; building and maintaining high-availability, network systems; load balancing, network configuration and installation; performance and network monitoring tools; systems upgrades and migrations; strong troubleshooting skills with networking hardware and software; routing protocols BGP, EIGRP and OSPF, Layer 2, and Cisco VSS/VSP. Plans, coordinates and conducts network design reviews, changes, assessments, studies and networking related projects. Reviews and prepares network design plans, forms and procedures, reports and related documents. Plans, arranges, manages and conducts network upgrades and preliminary analysis work in support of network changes. Prepares, coordinates and/or reviews written plans, schedules and milestones for accomplishing goals. Monitors network performance for trends and analysis. Incorporates DoD, Army Regulatory, and Command policies and regulations into project design, implementation and evaluation. Participates as part of a team in Network Management and Cybersecurity compliance personnel visits and inspections. Prepares reports and follows up on findings of noncompliance and notices of violations. Participates in and conducts inspections with audit teams of facilities and operations to ensure compliance with network security guidelines and network infrastructure policies. Monitors network operations to identify and rectify problems. Installs network components, including switches, routers, firewalls, VPN appliances and Wireless Access Points. Upgrades Network Operating Systems and maintains configuration control for device management in compliance with existing policies. Gathers data and analyzes performance criteria to avoid network bottlenecks, minimize network downtime, and recommend the needs for improvements or further study. Prepares network documentation and responds to network trouble tickets concerning user access and network outages. Demonstrates an understanding of network troubleshooting with various diagnostic tools, including experience with discovery packages, packet analyzers, appropriate security technologies, and network management applications. Participates in meetings regarding network concerns related to the assigned projects. Conducts limited analysis, integration, categorization, and summarization of technical and funding data on programs, and develops briefings, information papers, and reports that explain and support routine programs, initiatives, solutions and investments.

#### Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

## IT Professional – Systems Administrator Jr.

<b>IT Professional – Systems Administrator Jr. (Exempt)</b>
<b>Job Description</b>
<p>Windows and Linux system administration including troubleshooting, monitoring, and support, Windows event and performance monitoring, general troubleshooting, resource allocation and utilization for large databases, disk configuration, including the maintenance of hardware and software RAID 1-N, database design, data modeling and query execution, database replication, migration, backup and recovery, scripting languages, including one or more of: bash, powershell, python, ruby, perl, performance tuning, capacity planning and bottleneck resolution, administration of Microsoft SQL Server, building and maintaining high-availability, clustered and scalable systems, advanced web technologies ASP.NET pipeline, load balancing, etc., management of a production environment with the following: automated install, automated build and deployment, automated configuration management, enterprise monitoring systems, server virtualization, load balancing, web servers, and application servers, Microsoft server operating systems and middleware, server configuration and installation, performance and network monitoring tools, operating systems upgrades and migrations, strong troubleshooting skills with hardware and software.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. applicable experience.</li><li>2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).</li><li>3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).</li><li>4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.</li></ol>

## IT Professional – Systems Administrator Int.

<b>IT Professional – Systems Administrator Int. (Exempt)</b>
<b>Job Description</b>
<p>Windows and Linux system administration including troubleshooting, monitoring, and support, Windows event and performance monitoring, general troubleshooting, resource allocation and utilization for large databases, disk configuration, including the maintenance of hardware and software RAID 1-N, database design, data modeling and query execution, database replication, migration, backup and recovery, scripting languages, including one or more of: bash, powershell, python, ruby, perl, performance tuning, capacity planning and bottleneck resolution, administration of Microsoft SQL Server, building and maintaining high-availability, clustered and scalable systems, advanced web technologies ASP.NET pipeline, load balancing, etc., management of a production environment with the following: automated install, automated build and deployment, automated configuration management, enterprise monitoring systems, server virtualization, load balancing, web servers, and application servers, Microsoft server operating systems and middleware, server configuration and installation, performance and network</p>

monitoring tools, operating systems upgrades and migrations, strong troubleshooting skills with hardware and software.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Systems Administrator Sr.**

**IT Professional – Systems Administrator Sr. (Exempt)**

**Job Description**

Windows and Linux system administration including troubleshooting, monitoring, and support, Windows event and performance monitoring, general troubleshooting, resource allocation and utilization for large databases, disk configuration, including the maintenance of hardware and software RAID 1-N, database design, data modeling and query execution, database replication, migration, backup and recovery, scripting languages, including one or more of: bash, powershell, python, ruby, perl, performance tuning, capacity planning and bottleneck resolution, administration of Microsoft SQL Server, building and maintaining high-availability, clustered and scalable systems, advanced web technologies ASP.NET pipeline, load balancing, etc., management of a production environment with the following: automated install, automated build and deployment, automated configuration management, enterprise monitoring systems, server virtualization, load balancing, web servers, and application servers, Microsoft server operating systems and middleware, server configuration and installation, performance and network monitoring tools, operating systems upgrades and migrations, strong troubleshooting skills with hardware and software.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.



## IT Certified Professional Jr.

<b>IT Certified Professional Jr. (Exempt)</b>
<b>Job Description</b>
<p>Involved in the performance of assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. May achieve this through passive evaluations (compliance audits) and/or active evaluations (vulnerability assessments). Involved in the establishment of strict program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This may include process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies and may make recommendations on process tailoring. Involved in the performance of analyses to validate established security requirements and to recommends additional security requirements and safeguards. May support the formal Security Test and Evaluation (ST&amp;E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Involved in the periodic conduct of a review of each system's audits and monitors corrective actions until all actions are closed.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. applicable experience.</li><li>2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).</li><li>3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).</li><li>4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.</li></ol>

## IT Certified Professional Int.

<b>IT Certified Professional Jr. (Exempt)</b>
<b>Job Description</b>
<p>Deeply involved in the performance of assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. Achieves this through passive evaluations (compliance audits) and active evaluations (vulnerability assessments). Deeply involved in the establishment of strict program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This includes process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies and makes recommendations on process tailoring. Deeply involved in the performance of analyses to validate established security requirements and to recommends additional security requirements and safeguards. Supports the formal Security Test and</p>

Evaluation (ST&E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Periodically conducts of a review of each system's audits and monitors corrective actions until all actions are closed.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Certified Professional Sr.**

**IT Certified Professional Jr. (Exempt)**

**Job Description**

Performs assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. Achieves this through passive evaluations (compliance audits) and active evaluations (vulnerability assessments). Establishes strict program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This includes process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies and makes recommendations on process tailoring. Performs analyses to validate established security requirements and to recommends additional security requirements and safeguards. Supports the formal Security Test and Evaluation (ST&E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Periodically conducts of a review of each system's audits and monitors corrective actions until all actions are closed.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Database Jr.**

<b>IT Professional – Database Jr. (Exempt)</b>
<b>Job Description</b>
<p>Performs management of Microsoft database technologies, including SQL and Access; installation and configuration of Windows Server technologies and other government-approved server operating systems (e.g., Unix, Red Hat Linux), Network Attached Storage; Microsoft SharePoint technologies, to include SharePoint Designer and custom workflows; networking principles and components; Microsoft Knowledge (physical database architecture and design, database backup, recovery, and disaster recovery procedures, installation and configuration of MS SQL server on Windows Server technologies, performance tuning, query optimization, client/server connectivity, database consistency checks using DBCC utilities, capacity planning, and Microsoft SQL clusters, SQL DR, HA options as well as contingency planning, log shipping, Always On Cluster, etc.); management of Oracle databases including 11g and 12c, and Microsoft technologies including SQL 2008 R2 and 2012; installation and configuration of Windows Server technologies including 2012, UNIX variants; particularly, installation and configuration of Red Hat Linux, Network Attached Storage, Microsoft SharePoint technologies, networking principles and components, Oracle knowledge, installing and configuring multi node server side load balancing RAC (Real Application Clusters) databases on Red Hat Linux, ASM on NETAPPS storage, planning, design, implementation, and support of large Oracle database environments, including setting up backup and recovery strategies, performance tuning, query optimization instances, and troubleshooting performance issues.</p> <p><u>Qualifications:</u></p> <ol style="list-style-type: none"><li>1. Must have 1 yr. applicable experience.</li><li>2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).</li><li>3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).</li><li>4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.</li></ol>

**IT Professional – Database Int.**

<b>IT Professional – Database Int. (Exempt)</b>
<b>Job Description</b>
<p>Performs management of Microsoft database technologies, including SQL and Access; installation and configuration of Windows Server technologies and other government-approved server operating systems (e.g., Unix, Red Hat Linux), Network Attached Storage; Microsoft SharePoint technologies, to include SharePoint Designer and custom workflows; networking principles and components; Microsoft Knowledge (physical database architecture and design, database backup, recovery, and disaster recovery procedures, installation and configuration of MS SQL server on Windows Server technologies, performance tuning, query optimization, client/server connectivity, database consistency checks using DBCC utilities, capacity planning, and Microsoft SQL clusters, SQL DR, HA options as well as contingency planning, log shipping,</p>

Always On Cluster, etc.); management of Oracle databases including 11g and 12c, and Microsoft technologies including SQL 2008 R2 and 2012; installation and configuration of Windows Server technologies including 2012, UNIX variants; particularly, installation and configuration of Red Hat Linux, Network Attached Storage, Microsoft SharePoint technologies, networking principles and components, Oracle knowledge, installing and configuring multi node server side load balancing RAC (Real Application Clusters) databases on Red Hat Linux, ASM on NETAPPS storage, planning, design, implementation, and support of large Oracle database environments, including setting up backup and recovery strategies, performance tuning, query optimization instances, and troubleshooting performance issues.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Database Sr.**

**IT Professional – Database Sr. (Exempt)**

**Job Description**

Performs management of Microsoft database technologies, including SQL and Access; installation and configuration of Windows Server technologies and other government-approved server operating systems (e.g., Unix, Red Hat Linux), Network Attached Storage; Microsoft SharePoint technologies, to include SharePoint Designer and custom workflows; networking principles and components; Microsoft Knowledge (physical database architecture and design, database backup, recovery, and disaster recovery procedures, installation and configuration of MS SQL server on Windows Server technologies, performance tuning, query optimization, client/server connectivity, database consistency checks using DBCC utilities, capacity planning, and Microsoft SQL clusters, SQL DR, HA options as well as contingency planning, log shipping, Always On Cluster, etc.); management of Oracle databases including 11g and 12c, and Microsoft technologies including SQL 2008 R2 and 2012; installation and configuration of Windows Server technologies including 2012, UNIX variants; particularly, installation and configuration of Red Hat Linux, Network Attached Storage, Microsoft SharePoint technologies, networking principles and components, Oracle knowledge, installing and configuring multi node server side load balancing RAC (Real Application Clusters) databases on Red Hat Linux, ASM on NETAPPS storage, planning, design, implementation, and support of large Oracle database environments, including setting up backup and recovery strategies, performance tuning, query optimization instances, and troubleshooting performance issues.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/

Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).

3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

### **IT Professional – Helpdesk Specialist Jr.**

#### **IT Professional – Helpdesk specialist Jr.**

##### **Job Description**

Provides technical assistance and support related to computer systems, hardware, or software. Responds to queries, runs diagnostic programs, isolates problem, and determines and implements solution. Writes training manuals. Trains computer users. Responds to email or calls for customers seeking help. Asks questions to determine nature of problem. Walks customers through problem-solving process. Runs diagnostic programs to resolve problems. Follows up with customers to ensure issue has been resolved. Gains feedback from customers about system usage. Runs reports to determine malfunctions that continue to occur.

##### **Qualifications:**

1. Associates Degree and 1 yr. experience, or combination of 3 yr. experience which may include education, specialization training, certifications and/or experience. Relevant education shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
2. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
3. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

### **IT Professional – Helpdesk Specialist Int.**

#### **IT Professional – Helpdesk specialist Int.**

##### **Job Description**

Provides technical assistance and support related to computer systems, hardware, or software. Responds to queries, runs diagnostic programs, isolates problem, and determines and implements solution. Writes training manuals. Trains computer users. Responds to email or calls for customers seeking help. Asks questions to determine nature of problem. Walks customers through problem-solving process. Runs diagnostic programs to resolve problems. Follows up with customers to ensure issue has been resolved. Gains feedback from customers about system usage. Runs reports to determine malfunctions that continue to occur.

##### **Qualifications:**

1. Associates Degree and 3 yr. experience, or Bachelor's Degree and 1 yr. experience, or combination of 5 yr. experience which may include education, specialization training, certifications and/or experience. Relevant education shall be in an IT discipline or related

- technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
- 2. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
- 3. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation

**IT Professional – Helpdesk Specialist Sr.**

<b>IT Professional – Helpdesk specialist Sr.</b>
<b>Job Description</b>
<p>Provides technical assistance and support related to computer systems, hardware, or software. Responds to queries, runs diagnostic programs, isolates problem, and determines and implements solution. Writes training manuals. Trains computer users. Responds to email or calls for customers seeking help. Asks questions to determine nature of problem. Walks customers through problem-solving process. Runs diagnostic programs to resolve problems. Follows up with customers to ensure issue has been resolved. Gains feedback from customers about system usage. Runs reports to determine malfunctions that continue to occur.</p> <p>Qualifications:</p> <ol style="list-style-type: none"> <li>1. Associates Degree and 9 yr. experience, or Bachelor’s Degree and 7 yr. experience, Master’s Degree and 5 yr. experience or combination of 11 yr. experience, which may include education, specialization training, certifications and/or experience. Relevant education shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).</li> <li>2. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).</li> <li>3. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation</li> </ol>

**IT Systems Solutions Architect / Knowledge Engineer Jr.**

<b>IT Systems Solutions Architect / Knowledge Engineer Jr. (Exempt)</b>
<b>Job Description</b>
<p>Performs extensive assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. Achieves this through passive evaluations (compliance audits) and active evaluations (vulnerability assessments). Recommends and implements program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This includes process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies, and makes recommendations on process tailoring. Performs extensive analyses to validate established</p>

security requirements and to recommends additional security requirements and safeguards. Supports the formal Security Test and Evaluation (ST&E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Periodically conducts of a review of each system's audits and monitors corrective actions until all actions are closed.

Qualifications:

1. Must have 1 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Systems Solutions Architect / Knowledge Engineer Int.**

**IT Systems Solutions Architect / Knowledge Engineer Int. (Exempt)**

**Job Description**

Performs extensive assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. Achieves this through passive evaluations (compliance audits) and active evaluations (vulnerability assessments). Recommends and implements program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This includes process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies, and makes recommendations on process tailoring. Performs extensive analyses to validate established security requirements and to recommends additional security requirements and safeguards. Supports the formal Security Test and Evaluation (ST&E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Periodically conducts of a review of each system's audits and monitors corrective actions until all actions are closed.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

## IT Systems Solutions Architect / Knowledge Engineer Sr.

### IT Systems Solutions Architect / Knowledge Engineer Sr. (Exempt)

#### Job Description

Performs extensive assessments of systems and networks within the networking environment or enclave and identifies where those systems/networks deviate from acceptable configurations, enclave policy, or local policy. Achieves this through passive evaluations (compliance audits) and active evaluations (vulnerability assessments). Recommends and implements program control processes to ensure mitigation of risks and supports obtaining certification and accreditation of systems. This includes process support, analysis support, coordination support, security certification test support, security documentation support, investigations, software research, hardware introduction and release, emerging technology research inspections and periodic audits. Assists in the implementation of the required government policies, and makes recommendations on process tailoring. Performs extensive analyses to validate established security requirements and to recommends additional security requirements and safeguards. Supports the formal Security Test and Evaluation (ST&E) required by each government accrediting authority through pre-test preparations, participation in the tests, analysis of the results, and preparation of required reports. Periodically conducts of a review of each system's audits and monitors corrective actions until all actions are closed.

#### Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

## IT Professional – Cybersecurity Analyst Jr.

### IT Professional – Cybersecurity Analyst Jr. (Exempt)

#### Job Description

Performs information security related functions, such as cybersecurity audits, cybersecurity compliance, enterprise risk management, etc.; DOD regulatory compliance and information security management frameworks, including NIST SP800-37, NIST SP 800- 53, DOD RMF, etc.; technical assessment of IT security controls for networks, applications and systems; using information assurance/IT audit tools such as Tenable Nessus, eEye Retina, and other IT audit tools; performing risk assessments of IT systems. Administers security programs to include administration of ACAS, DISA HBSS. Performs Computer Forensics/Security analyses. Prepares documentation for RMF and facilitates authorization to operate. Administers security tools such as ACAS and DISA HBSS. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies. Recommends risk-based strategies to prevent data loss and service interruptions. Additional duties may include: Creating, testing and implementing network disaster



recovery plans; Performing risk assessments and testing of data processing systems; Recommends, implements, and monitors risk-based security architecture that meets mission requirements. Implements firewall systems, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures. Provides actionable data and risk- based recommendations to system administrators, network administrators, developers and leadership. Coordinates with other DoD, Army, and ATEC Cybersecurity professionals to identify actionable data and risk-based recommendations that provide appropriate risk mitigation. Recommends system architectures to achieve mission and mitigate risk.

Qualifications:

1. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
2. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation
3. 1 yr. applicable experience.
4. BS Degree in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).

**IT Professional – Cybersecurity Analyst Int.**

**IT Professional – Cybersecurity Analyst Int. (Exempt)**

**Job Description**

Performs information security related functions, such as cybersecurity audits, cybersecurity compliance, enterprise risk management, etc.; DOD regulatory compliance and information security management frameworks, including NIST SP800-37, NIST SP 800- 53, DOD RMF, etc.; technical assessment of IT security controls for networks, applications and systems; using information assurance/IT audit tools such as Tenable Nessus, eEye Retina, and other IT audit tools; performing risk assessments of IT systems. Administers security programs to include administration of ACAS, DISA HBSS. Performs Computer Forensics/Security analyses. Prepares documentation for RMF and facilitates authorization to operate. Administers security tools such as ACAS and DISA HBSS. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies. Recommends risk-based strategies to prevent data loss and service interruptions. Additional duties may include: Creating, testing and implementing network disaster recovery plans; Performing risk assessments and testing of data processing systems; Recommends, implements, and monitors risk-based security architecture that meets mission requirements. Implements firewall systems, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures. Provides actionable data and risk- based recommendations to system administrators, network administrators, developers and leadership. Coordinates with other DoD, Army, and ATEC Cybersecurity professionals to identify actionable data and risk-based recommendations that provide appropriate risk mitigation. Recommends system architectures to achieve mission and mitigate risk.

Qualifications:

1. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
2. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation
3. 4 yr. applicable experience.
4. BS Degree in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).

**IT Professional – Cybersecurity Analyst Sr.**

**IT Professional – Cybersecurity Analyst Sr. (Exempt)**

**Job Description**

Performs information security related functions, such as cybersecurity audits, cybersecurity compliance, enterprise risk management, etc.; DOD regulatory compliance and information security management frameworks, including NIST SP800-37, NIST SP 800- 53, DOD RMF, etc.; technical assessment of IT security controls for networks, applications and systems; using information assurance/IT audit tools such as Tenable Nessus, eEye Retina, and other IT audit tools; performing risk assessments of IT systems. Administers security programs to include administration of ACAS, DISA HBSS. Performs Computer Forensics/Security analyses. Prepares documentation for RMF and facilitates authorization to operate. Administers security tools such as ACAS and DISA HBSS. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies. Recommends risk-based strategies to prevent data loss and service interruptions. Additional duties may include creating, testing and implementing network disaster recovery plans; Performing risk assessments and testing of data processing systems; Recommends, implements, and monitors risk-based security architecture that meets mission requirements. Implements firewall systems, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures. Provides actionable data and risk- based recommendations to system administrators, network administrators, developers and leadership. Coordinates with other DoD, Army, and ATEC Cybersecurity professionals to identify actionable data and risk-based recommendations that provide appropriate risk mitigation. Recommends system architectures to achieve mission and mitigate risk.

Qualifications:

1. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
2. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation
3. 10 yr. applicable experience.
4. BS Degree in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).

**IT Professional - Software Developer Jr.**

**IT Professional - Software Developer Jr. (Exempt)**

**Job Description**

Performs software development, programming in web based languages (e.g., C#, Microsoft .NET .NET Framework, Visual Basic, ASP.NET, SQL, CSS, DHTML/HTML, XMS/XSLT, SHTML, XML, etc.), debugging/troubleshooting, SQL Server Database, and process-based software development practices. Develops and deploys applications in multiple operating systems.

Codes complex applications using HTML, Visual Basic, or other web-based programming languages. Develops and maintains functioning user-accessible web applications. Supports application planning and deployment. Prepares documentation regarding the application's technical requirements. Applies concepts, develops, tests, maintains and supports high-performance, innovative applications. Responsible for troubleshooting software problems and providing solutions to overcome those problems using the latest technologies. Works with management and information technologists to determine specifications. Uses a variety of internet technologies, techniques and tools such as graphics software applications and object-oriented languages (e.g. Java, CGI, Visual Basic, HTML, XML) to create web page elements, such as user interface features, site animation, special effects, databases, and e-business applications. Maintains website technical documentation to assist with website maintenance and upgrades. Leads development, testing, maintenance, and support for high-performance, innovative applications. Analyzes and troubleshoots complex software problems and provides solutions using the latest technologies. Integrates new products with existing applications in order to improve the functionality or design of the application.

**Qualifications:**

1. Must have 1 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional - Software Developer Int.****IT Professional - Software Developer Int. (Exempt)****Job Description**

Performs software development, programming in web based languages (e.g., C#, Microsoft .NET .NET Framework, Visual Basic, ASP.NET, SQL, CSS, DHTML/HTML, XMS/XSLT, SHTML, XML, etc.), debugging/troubleshooting, SQL Server Database, and process-based software development practices. Develops and deploys applications in multiple operating systems.

Codes complex applications using HTML, Visual Basic, or other web-based programming languages. Develops and maintains functioning user-accessible web applications. Supports application planning and deployment. Prepares documentation regarding the application's technical requirements. Applies concepts, develops, tests, maintains and supports high-performance, innovative applications. Responsible for troubleshooting software problems and providing solutions to overcome those problems using the latest technologies. Works with

management and information technologists to determine specifications. Uses a variety of internet technologies, techniques and tools such as graphics software applications and object-oriented languages (e.g. Java, CGI, Visual Basic, HTML, XML) to create web page elements, such as user interface features, site animation, special effects, databases, and e-business applications. Maintains website technical documentation to assist with website maintenance and upgrades. Leads development, testing, maintenance, and support for high-performance, innovative applications. Analyzes and troubleshoots complex software problems and provides solutions using the latest technologies. Integrates new products with existing applications in order to improve the functionality or design of the application.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional - Software Developer Sr.**

**IT Professional - Software Developer Sr. (Exempt)**

**Job Description**

Performs software development, programming in web based languages (e.g., C#, Microsoft .NET .NET Framework, Visual Basic, ASP.NET, SQL, CSS, DHTML/HTML, XMS/XSLT, SHTML, XML, etc.), debugging/troubleshooting, SQL Server Database, and process-based software development practices. Develops and deploys applications in multiple operating systems.

Codes complex applications using HTML, Visual Basic, or other web-based programming languages. Develops and maintains functioning user-accessible web applications. Supports application planning and deployment. Prepares documentation regarding the application's technical requirements. Applies concepts, develops, tests, maintains and supports high-performance, innovative applications. Responsible for troubleshooting software problems and providing solutions to overcome those problems using the latest technologies. Works with management and information technologists to determine specifications. Uses a variety of internet technologies, techniques and tools such as graphics software applications and object-oriented languages (e.g. Java, CGI, Visual Basic, HTML, XML) to create web page elements, such as user interface features, site animation, special effects, databases, and e-business applications. Maintains website technical documentation to assist with website maintenance and upgrades. Leads development, testing, maintenance, and support for high-performance, innovative applications. Analyzes and troubleshoots complex software problems and provides solutions using the latest technologies. Integrates new products with existing applications in order to improve the functionality or design of the application.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional - Cybersecurity Test Professional Jr.**

**IT Professional - Cybersecurity Test Professional Jr. (Exempt)**

**Job Description**

Responsibilities include probing for security vulnerabilities and exploits in systems under test, recommend and implement security system countermeasures. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies, in order to implement security breaches. Recommend risk-based strategies to prevent data loss and service interruptions. Additional duties may include: Creating, testing and implementing network disaster recovery plans; Performing risk assessments and testing of data processing systems; Installing firewalls, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures.

Qualifications:

1. Must have 1 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional - Cybersecurity Test Professional Int.**

**IT Professional - Cybersecurity Test Professional Int. (Exempt)**

**Job Description**

Responsibilities include probing for security vulnerabilities and exploits in systems under test, recommend and implement security system countermeasures. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies, in order to implement security breaches. Recommend risk-based strategies to prevent data loss and service interruptions. Additional duties may include: Creating, testing and implementing network disaster recovery plans; Performing risk

assessments and testing of data processing systems; Installing firewalls, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures.

Qualifications:

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional - Cybersecurity Test Professional Sr.**

**IT Professional - Cybersecurity Test Professional Sr. (Exempt)**

**Job Description**

Responsibilities include probing for security vulnerabilities and exploits in systems under test, recommend and implement security system countermeasures. Plans and implements security measures to protect computer systems, networks and data. Requires current knowledge the latest intelligence and methodologies, in order to implement security breaches. Recommend risk-based strategies to prevent data loss and service interruptions. Additional duties may include: Creating, testing and implementing network disaster recovery plans; Performing risk assessments and testing of data processing systems; Installing firewalls, data encryption and other security measures; Recommending security enhancements and purchases; Training staff on network and information security procedures.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Analyst / Data Scientist Jr.**

**IT Professional – Analyst / Data Scientist Jr. (Exempt)**

**Job Description**

Utilize analytical, statistical, and programming skills to collect, analyze, and interpret large data sets. Creates machine learning-based tools or processes, such as recommendation engines or automated lead scoring systems. Performs statistical analysis. Develop data-driven analyses on system performance. Utilize knowledge in statistics, math, computer science or operations research, machine learning, coding languages, databases, machine learning, and reporting technologies. Requires coding knowledge and experience with several languages: C, C++, Java, JavaScript, etc.; Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.; Experience querying databases and using statistical computer languages: R, Python, SQL, etc.; Experience using web services: Redshift, S3, Spark, DigitalOcean, etc.; Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis, modeling, clustering, decision trees, neural networks, etc.; Experience with distributed data/computing tools: Map/Reduce, Hadoop, Hive, Spark, Gurobi, MySQL, etc.; Experience visualizing/presenting data for stakeholders and leadership using: Periscope, Business Objects, D3, ggplot, etc.

**Qualifications:**

1. Must have 1 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Analyst / Data Scientist Int.**

**IT Professional – Analyst / Data Scientist Int. (Exempt)**

**Job Description**

Utilize analytical, statistical, and programming skills to collect, analyze, and interpret large data sets. Creates machine learning-based tools or processes, such as recommendation engines or automated lead scoring systems. Performs statistical analysis. Develop data-driven analyses on system performance. Utilize knowledge in statistics, math, computer science or operations research, machine learning, coding languages, databases, machine learning, and reporting technologies. Requires coding knowledge and experience with several languages: C, C++, Java, JavaScript, etc.; Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.; Experience querying databases and using statistical computer languages: R, Python, SQL, etc.; Experience using web services: Redshift, S3, Spark, DigitalOcean, etc.; Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis, modeling, clustering, decision trees, neural networks, etc.; Experience with distributed data/computing tools: Map/Reduce, Hadoop, Hive, Spark, Gurobi, MySQL, etc.; Experience visualizing/presenting data for stakeholders and leadership using: Periscope, Business Objects, D3, ggplot, etc.

**Qualifications:**

1. Must have 4 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.

**IT Professional – Analyst / Data Scientist Sr.**

**IT Professional – Analyst / Data Scientist Sr. (Exempt)**

**Job Description**

Utilize analytical, statistical, and programming skills to collect, analyze, and interpret large data sets. Creates machine learning-based tools or processes, such as recommendation engines or automated lead scoring systems. Performs statistical analysis. Develop data-driven analyses on system performance. Utilize knowledge in statistics, math, computer science or operations research, machine learning, coding languages, databases, machine learning, and reporting technologies. Requires coding knowledge and experience with several languages: C, C++, Java, JavaScript, etc.; Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.; Experience querying databases and using statistical computer languages: R, Python, SQL, etc.; Experience using web services: Redshift, S3, Spark, DigitalOcean, etc.; Experience creating and using advanced machine learning algorithms and statistics: regression, simulation, scenario analysis, modeling, clustering, decision trees, neural networks, etc.; Experience with distributed data/computing tools: Map/Reduce, Hadoop, Hive, Spark, Gurobi, MySQL, etc.; Experience visualizing/presenting data for stakeholders and leadership using: Periscope, Business Objects, D3, ggplot, etc.

Qualifications:

1. Must have 10 yr. applicable experience.
2. Bachelor's Degree shall be in an IT discipline or related technical field (e.g., Network Engineering, Network Management, Computer Science, Information Systems, Computer/ Software Engineering, Management Information Systems, Computer Forensics/ Security, etc.).
3. Requires privileged access to information systems. Shall be trained and certified in accordance with DODI 8570.1-M, AR 25-2, Army Best Business Practice (BBP) 05-PR-M-0002, and IA Training Certification (latest version).
4. Shall possess or be able to obtain a favorable Single Scope Background Investigation (SSBI) investigation.