

**Statement of Work (SOW)
Security Protective Force and Systems Services
For the Nevada Site Office**

I. INTRODUCTION

This SOW encompasses a range of Security Protective Force and Systems (ProForce) services to be provided for the U.S. Department of Energy (DOE) National Nuclear Security Administration Nevada Site Office (NNSA/NSO). Contractor performance shall be in accordance with this SOW and evaluated through the Award Fee Plan. Protective Force stations and patrols identified herein are generally staffed as specified in this section; however, changes may occur based on programmatic requirements as directed by the Contracting Officer or designated representative.

The mission of the Contractor is the physical protection of national safeguards and security interests to include nuclear explosive devices, special nuclear material, national security operations and vital equipment, classified and sensitive information, Government property, facilities and employees.

The following items shall be taken into consideration when developing protection program strategies:

- The vulnerability of assembled or partially assembled nuclear weapons, components and/or explosive devices to malevolent acts such as theft, diversion, or sabotage and events such as civil disorder by considering site and regional threats, protection planning strategies, and protection measures;
- The vulnerability of special nuclear material, vital equipment or facilities, or sensitive matter to malevolent acts;
- Full understanding of the potential threats contained in the current DOE Graded Security Protection Policy used in conjunction with local threat guidance and the ability to apply these principles when developing site-specific safeguards and security programs;
- The importance of the facility to the overall DOE and NNSA mission and costs of replacement due to acts of sabotage or other malevolent acts, the classification level of the matter, and the impact of its loss or compromise to national security;
- Continuous protective services are required 24 hours per day, 365 days per year;
- The potential effects of a malevolent act on the health and safety of employees, the environment, or the public;
- Compartmentalization of safeguards and security interests;

- The integration of multiple contractors' interests who perform other security functions under the purview of NNSA/NSO into a single comprehensive protection posture. This includes the Site's management and operating contractor, and other contractors, including any small business contractors, performing work at facilities under the purview of NNSA/NSO;
- The integration of safeguards, security and safety interests. This includes the need for applying the principles of the NNSA mandated Integrated Safeguards and Security Management and Integrated Safety Management Programs as identified by applicable DOE/NNSA requirements;
- Efficient and cost-effective methods for protecting the safeguards and security interests taking into consideration the DOE, NNSA and NNSA/NSO directive requirements;
- The integration and deployment of emerging and current security systems technologies for protection of safeguards and security interests, including Argus;
- Maintain the capability for a recapture and recovery, strategy for matters involving the loss of control or theft of Category I SNM; strategies to counter the use of weapons of mass destruction (nuclear, chemical, and biological); and the aspects of executive directives dealing with terrorism and counter terrorism.

Dynamic mission requirements associated with national security activities and the presence of special nuclear material onsite require the Contractor to respond to workload changes quickly with minimum disruption to site operations.

The Contractor shall fully integrate the requirements contained in this SOW in a manner that assures a seamless structure is maintained. This includes full integration and authority of functions, roles, and responsibilities where more than one contractor is involved in fulfilling the requirements of the security program. The Contractor shall be the integrator and the Cognizant Security Authority, as defined in the applicable DOE/NNSA requirements, for those security functions, activities, programs and projects that require coordination, collaboration, cooperation, partnership, teamwork, etc., with other site contractors and take responsibility for providing a single consolidated deliverable, product, and/or result to NNSA/NSO.

NNSA/NSO reserves the right to modify the level of effort and enhance the technical work requirements due to changing security requirements or methods of accomplishing security functions.

II. BACKGROUND

NNSA/NSO Facility Mission

The primary missions of NNSA/NSO are to support the Stockpile Stewardship, Nonproliferation, Counter Terrorism, Work-for-Others, Radioactive Waste Management, and National Emergency Response programs while providing a venue for other national security activities. Current missions include conducting subcritical experiments and gas gun shots involving the use of special nuclear material; detonations of high explosives; burial of radioactive waste, and conducting criticality experiments for nuclear safety. Future missions may include staging and storage, disassembly, and weapons modernization of nuclear weapons or other programs associated with weapons quantity of special nuclear material.

The NNSA national weapons laboratories have responsibility for design, development, and ensuring reliability of nuclear weapons, and conducting research and development work related to the non-nuclear components of nuclear weapons.

NNSA/NSO is responsible for implementing operational safety and security program requirements associated with meeting mission requirements. The NNSA/NSO provides a denial strategy to prevent access to nuclear explosive devices or prevent removal of Category I special nuclear material but ensures that recapture/recovery capabilities continue to exist in the event that a denial strategy fails. NNSA/NSO has developed management and operating plans to provide adequate protective force protection and physical security systems and barriers commensurate with threat guidance documents.

NNSA/NSO has an extensive environmental, safety, and health program to assure that all operations are conducted safely without harm to the public or employees and with an acceptable environmental impact.

NNSA/NSO Site/Facility Descriptions

Nevada National Security Site (NNSS)

The NNSS, formerly known as the Nevada Test Site, is located in Nye County in southern Nevada. The southernmost point of the NNSS is located approximately 65 miles northwest of Las Vegas, Nevada. It encompasses 1,375 square miles – an area larger than the state of Rhode Island – of sparsely populated region of the Mojave and Great Basin deserts. The NNSS is surrounded on three sides by 4,120 square miles of land comprising the Nevada Test and Training Range (formerly the Nellis Air Force Range Complex), another federally-owned restricted area. This restricted area provides a buffer zone to the north, east, and west between the test area and public lands. This buffer zone varies from 15 to 65 miles between the test area and land that is open to the public.

The land to the south is also federally-owned and administered by the Bureau of Land Management and along with the NNSS, comprises one of the largest unpopulated land areas in the United States. The airspace above the NNSS is designated restricted airspace of unlimited altitude on a continuous basis by the Federal Aviation Administration. The NNSS contains 484 buildings, approximately 340 miles of primary and secondary surfaced roads, 300 miles of unsurfaced roads, two functional airports, and five heliports. The area consists of desert terrain made up of low mountains, mesas, rolling hills, ravines, dry lakes, and other flatlands.

The NNSS was established as the Atomic Energy Commission's on-continent proving ground and has seen more than four decades of nuclear weapon testing. Since the nuclear weapons testing moratorium in 1992 and under the direction of NNSA, the site use has diversified into many national security programs and activities.

Remote Sensing Laboratory

The Remote Sensing Laboratory is located on the northeast portion of Nellis Air Force Base approximately 600 yards north of the Hollywood gate. The facility may be accessed from either the Hollywood gate via Hollywood Boulevard or via the perimeter road from the west side of Nellis Air Force Base.

North Las Vegas Facility

The North Las Vegas Facility is located on 78.3 acres of U.S. Government property and contains four complexes with a total of approximately 26 buildings. The complexes are identified as the A, B, and C complexes and the Nevada Support Facility. The Nevada Support Facility is the headquarters for NNSA/NSO operations.

III. REQUIREMENTS

As required by NNSA, the Contractor shall provide personnel to provide a security protective force and perform security services at the NNSS and Las Vegas and North Las Vegas area NNSA/NSO facilities, NNSA/NSO contractor facilities, and other facilities as assigned by NNSA/NSO. All work performed by the Contractor shall satisfy and comply with the requirements of applicable DOE and NNSA directives, policies, and documents and other direction provided by NNSA/NSO. Section J, Attachment J-3 contains a list of applicable directives, policies and documents; these applicable directives, policies and documents are referred to as "applicable DOE/NNSA requirements" throughout the SOW. Additionally, the Contractor shall comply with all applicable federal, state and local laws, regulations, guidance and policies, including those which become effective after the effective date of this contract.

The actual Protective Force strength and other work under the SOW are dependent upon operational and funding requirements. Therefore, the Government reserves the right to modify the level of effort and enhance the technical work requirements as needed due to changing security requirements or methods of accomplishing security functions.

The Contractor shall perform the following work:

A. GENERAL MANAGEMENT

Provide management, supervision, and staffing to efficiently and effectively execute the requirements of this contract.

Serve as the integrator and the Cognizant Security Authority, as defined in the applicable DOE/NNSA requirements, for those security functions, activities, programs and projects that require coordination, collaboration, cooperation, partnership, teamwork, etc., with other site contractors and take responsibility for providing a single consolidated deliverable, product, and/or result to NNSA/NSO.

Maintain high standards of competency, conduct, and integrity of all assigned personnel.

Maintain, and negotiate as necessary, a collective bargaining agreement with the Independent Guard Association of Nevada or successor collective bargaining unit.

Provide contract management, accounting, payroll, budget, finance, and human resources, associated with contractor performance under this SOW and in keeping with best business practices.

Maintain all personnel development, required briefings, and training records. Collect, manage, store, and retire records in accordance with 36 CFR Chapter XII, Subchapter B, Records Management and other applicable DOE/NNSA requirements.

Provide a comprehensive Quality Assurance Program which conforms to applicable DOE/NNSA requirements.

1. Cyber Security

Maintain cyber security systems that provide confidentiality, integrity, and availability of the organization's security systems and meets applicable DOE/NNSA requirements and industry standards. The cyber security program shall emphasize the following elements:

- a. Conduct periodic assessments of risk, including the magnitude of harm that could result from the unauthorized access, use, disclosure, disruption, modification, or destruction of information and information systems that support the operations and assets of the NNSA/NSO.
- b. Create internal policies and procedures that are based on risk assessments, cost-effectively reduce cyber security risks to an acceptable level, and ensure that cyber security is addressed throughout the life cycle of each information system.
- c. Conduct security awareness training to inform contractor personnel of the cyber security risks associated with their activities and their responsibilities in complying with NNSA/NSO policies and procedures designed to reduce these risks.

- d. Conduct periodic testing and evaluation of the effectiveness of cyber security policies, procedures, practices, and security controls to be performed with a frequency depending on risk, but no less than annually.
 - e. Create a process for planning, implementing, evaluating, and documenting remedial actions to address any deficiencies in the cyber security policies, procedures, and practices of the contractor.
 - f. Create and employ procedures for detecting, reporting, and responding to security incidents and events.
 - g. Create and employ plans and procedures to ensure continuity of operations for information systems that support the operations and assets of the NNSA/NSO.
 - h. Ensure that appropriately “Q” cleared, trained, and knowledgeable officials are assigned cyber security responsibilities.
 - i. Obtain formal NNSA/NSO authorization for operating information systems prior to installation and operation.
2. Contractor Assurance System
- a. Establish and maintain an effective, efficient and measurable Contractor Assurance System as defined by applicable DOE/NNSA requirements supported by internal performance assessments that promote continuous improvement.
 - b. Gather and maintain accurate performance data (including performance testing results), issues and corrective action management, lessons learned, measures/metrics, and assessments.
 - c. Optimize use of the Contractor Assurance System in support of trending data, annual risk-based self assessment planning and quarterly performance reporting, and data deliverables to NNSA/NSO.
3. Performance Assurance Program
- a. Maintain and update the Contractor Performance Assurance Program Plan as necessary with changing mission and protective requirements as established by NNSA/NSO, ensuring the plan supports the NNSA/NSO Security Performance Assurance Program Plan as identified in the applicable DOE/NNSA requirements.
 - b. Optimize use of the data from the safeguards and security Performance Assurance Program to provide support for trending, assessment planning and quarterly performance reports to NNSA/NSO.

4. System Development and Lifecycle Management

- a. Develop and implement a formal lifecycle management plan using best business practices and for all equipment, vehicles, security systems and weapons that includes the phases of acquisition, development, implementation, operation, maintenance, and disposal.
- b. The lifecycle management plan shall provide insight into major activities and milestones, decision points, specified outputs that provide future year budget requirements.
- c. Infrastructure items identified in the lifecycle management plan shall be provided annually to NNSA/NSO for incorporation into the site's annual Ten Year Site Plan.

5. Project Management

- a. Employ project management principles for projects relating to security and protection systems such as the design and installation of the Argus security system, tactical vehicle revetments, remotely operated weapon system installations, upgrades and/or renovations to security facilities, in accordance with standard industry guidance and the applicable DOE/NNSA requirements. In virtually all cases, the site's management and operating contractor will serve as the lead project director on these projects and the Contractor will serve as the lead technical representative.
- b. Cooperate and coordinate with the site's management and operating contractor on project execution, budget formulation, submission and validation, and change control processes associated with the types of projects identified in paragraph a. above.
- c. Cooperate and coordinate with the site's management and operating contractor on development and management of project design as well as deployment and activation activities, including cost and schedule.
- d. Along with the site's management and operating contractor, identify, mitigate and manage project risks.
- e. Provide input to the site's management and operating contractor on project documents and develop and maintain all project documentation.
- f. Work with Federal project director to manage and facilitate the execution of the project.
- g. Manage day-to-day project execution activities.
- h. Deliver project deliverables as defined in the contract or Annual Program Plans, as defined in clause **NNS-F-1002**, on time and within budget.

- i. Provide project reporting as required to stakeholders and program oversight entities.
- j. Establish internal policies to manage and control project planning, initiation, definition, execution, and transition/closeout using applicable DOE/NNSA requirements and industry codes and standards.
- k. All project requirements and designs shall be processed through the appropriate change control process, including but not limited to screening through the applicable facility change control and determination process.
- l. Monitor and control procurement and contracting activities and commitments.

B. *PROTECTIVE FORCE*

1. Management

- a. In accordance with Integrated Safeguards and Security Management practices as defined in applicable DOE/NNSA requirements, and in support of the DOE/NNSA safeguards and security Protection Program Management requirements, as defined in applicable DOE/NNSA requirements, protective force programs, functions, or activities shall incorporate basic planning principles to ensure they accomplish their intended purpose.
- b. Protective Force programs shall document the resource requirements necessary to accomplish mission objectives successfully in accordance with applicable Federal laws and regulations; applicable DOE/NNSA requirements; site security plans; protection strategies; and operational needs.
 1. Manage the scheduling of the Protective Force in support of base mission in accordance with applicable DOE/NNSA requirements.
 2. Implement Tactical Response Force requirements as required by applicable DOE/NNSA requirements.
- c. Supervision of Protective Force personnel shall be provided to the extent required to ensure optimal performance of duties.
- d. To ensure Protective Force missions/functions are accomplished as intended, sufficient operational guidance shall be provided through the establishment and maintenance of a formalized written directives system, i.e., station orders, post orders, general orders, deployment and response plans, etc.

2. Personnel

- a. Maintain Protective Force with DOE Q access authorizations (security clearances), who are Human Reliability Program certified, and meet medical, physical fitness, and firearms qualifications and training requirements, and special skills as appropriate, to provide required security services at the NNSS, North Las Vegas Facility, and other NNSA/NSO locations in accordance with applicable DOE/NNSA requirements, under both routine and emergency conditions.
- b. Provide a Protective Force trained and qualified to the DOE Security Police Officer I and Security Police Officer II level in order to protect nuclear components, nuclear explosives, certain categories of special nuclear material and classified matter.
- c. Provide a Security Police Officer III Special Response Team capability to counter any attempted theft or sabotage of nuclear components, nuclear explosive devices or special nuclear material. For protection of nuclear components, nuclear explosives and certain categories of special nuclear material a denial strategy shall be employed, as well as a plan and capability for recapture and recovery in the event that denial fails.

3. Security Posts

- a. Establish schedule and operating procedures for, including but not limited to, the number and composition of Protective Force personnel for each shift; area of each security patrol; instructions and orders for each post and each patrol area; the number and assignment of personnel to administrative and Protective Force service positions.
- b. Provide staff for fixed security stations and roving patrols.
- c. Provide security and convoy support for movement of special nuclear material.
- d. Provide test event/experiment support including sweeps, roadblocks, and manning temporary security stations.
- e. Provide staff for central and secondary alarm stations.
- f. Provide staff for the NNSS Operations Control Center.
- g. Provide staff and support for the Tactical Operations Center when activated.
- h. Provide Protective Force to assist local law enforcement agencies, including but not limited to, the Nye County Sheriff's Office, the North Las Vegas Police Department and/or the Nevada Highway Patrol, to protect personnel during protests and/or demonstrations at NNSA/NSO facilities when required.
- i. Provide appropriate and qualified staff during emergency response activities and emergency management training drills and exercises.

4. Planning

- a. Provide operational and security analysis and planning. Develop and implement security procedures, plans, and company directives in support of specific mission requirements.
- b. Prepare contingency plans for protests and demonstrations, adversary threats, emergency response, and emergency evacuation.
- c. Prepare and execute on an annual basis, with scenario and threat input based on vulnerability assessment(s), the validation of force-on-force exercise scenarios and plans.
- d. Develop and prepare security plans for emergency response and emergency management training exercises to ensure protection of NNSA/NSO facilities, property, material and occupants under emergency conditions. Plans shall address required protection strategies; tactical response options, actions and times; and other applicable response requirements.
- e. Perform analyses and tasks needed to identify risks and counter specific hazards including safety concerns in support of site specific activities to include force on force exercises and live fire range activities, providing assurance to NNSA/NSO that activities which may pose risks to health and safety have been reviewed and appropriate controls have been established to mitigate safety concerns.
- f. Provide subject matter expertise to the cognizant contractor(s) for the conduct of vulnerability assessments and the preparation of required NNSA safeguards and security plans. Ensure appropriate personnel participate fully in the development, conduct and review of vulnerability assessments sufficient to meet applicable DOE/NNSA requirements.
- g. Provide necessary, accurate and complete protective force and security systems performance test data that supports the vulnerability assessments and safeguards and security planning activities.
- h. Prepare and execute, with input from the vulnerability assessments laboratory force-on-force exercise scenarios, plans and limited scope performance tests as necessary to meet applicable DOE/NNSA requirements and in support of vulnerability assessments and site security plans.

5. Property Protection

- a. Provide protection of Government property, including but not limited to sensitive property, ammunition, weapons, etc.
- b. Provide surveillance of property subject to pilferage or theft and maintain accountability of seized Government property.

- c. Maintain and update a property inventory system for Government property associated with this contract to include all high-risk and sensitive property, in accordance with the property management requirements of this contract.

6. Ancillary Duties

- a. Protect security areas against malevolent acts and unauthorized access including apprehending unauthorized personnel or vehicles in security controlled access areas.
- b. Monitor security of selected NNSA/NSO-identified facilities during non-working hours.
- c. Furnish appropriate Protective Force personnel for other security-related duties as directed by the Contracting Officer or Contracting Officer Representative.
- d. Provide after-hours badge issue support for visitors and employees who have lost or forgotten their badges.

7. Training

- a. Train all armed Protective Force personnel to the appropriate level prior to being assigned to duty per applicable DOE/NNSA requirements.
- b. Provide continued training and professional development of all Protective Force personnel.
- c. Provide oversight of the physical fitness of Protective Force personnel.
- d. Prepare an annual Protective Force Training plan and Physical Fitness Program plan and ensure regulatory protective force standards are met.
- e. Maintain training records for Protective Force personnel, including but not limited to weapon and physical fitness qualification records.
- f. Provide continued training and professional development of all Protective Force personnel.

8. Personnel Qualifications

- a. Require Protective Force personnel to be fully capable of performing duties requiring moderate to arduous physical exertion and shall be fully capable of self-defense, tactical exercises, weaponless defense, and arrest techniques. They shall be capable of running, lifting, and participating in rescue operations. As a minimum, they shall meet the physical fitness and medical qualifications set forth in 10 CFR 1046.
- b. Require each armed Protective Force member to qualify by attaining a minimum qualifying score on the courses of fire prior to being armed or performing armed Security Police Officer duties and at least semi-annually thereafter.

- c. Require each Protective Force member to have the appropriate access level authorization (security clearance) prior to performing Protective Force duties requiring the use of a weapon.
 - d. Equip Protective Force personnel with authorized firearms and ammunition, including when required other automatic or specialty weapons, provided by NNSA/NSO, and in serviceable condition.
 - e. Supply all Protective Force personnel with appropriate uniforms provided by NNSA/NSO, which includes uniform maintenance, badges, belts and holsters, and insignia of rank. All Protective Force personnel shall be in uniform while on duty, in accordance with the Contractor's established dress code. The Contractor shall specify, with the approval of the Contracting Officer or Contracting Officer Representative, appropriate uniforms, badges, insignia, and attire for Protective Force personnel.
 - f. Maintain an arsenal in clean and safe operating condition at the NNSA training facility and all arsenal and emergency equipment shall be properly stored, protected, accounted for, and secured at all times. Provide Armorers who are certified, as required by NNSA, to perform maintenance and repairs on all weapons used by Protective Force personnel.
 - g. Require all Protective Force personnel assigned to duty to have a valid motor vehicle driver's license issued in the United States.
9. Physical Fitness Training
- a. Maintain an off-duty physical fitness program.
 - b. Provide qualified fitness specialists to conduct physical fitness testing of the armed Protective Force personnel.
 - c. Ensure physical fitness specialists supervise testing; record training data; maintain training records; conduct fitness assessments; provide fitness counseling/instruction; and conduct safety inspections of physical fitness testing facilities and/or locations.

C. TECHNICAL SECURITY SYSTEMS

1. Electronic Security Systems
 - a. Provide the expertise required to perform the design, installation, and maintenance of NNSA/NSO security systems. Systems support includes intrusion alarms, alarm monitoring systems, and automated access control systems at multiple geographic areas. Provide specialized support of the Device Assembly Facility, Mobile Intruder Reconnaissance Vehicle, Mobile Detection Assessment Response System robot, and a Safe Secure Transport vehicle. Provide cost estimates, Title I, II and III design packages, engineering drawings, procurement specifications, acceptance test plans and procedures, engineering change requests, and direct engineering support to installation and maintenance activities on supported systems and facilities.
 - b. Identify, review, integrate and deploy emerging and current security system technologies for protection of safeguards and security interests.
 - c. Install, maintain, and periodically test electronic security systems and equipment in accordance with applicable DOE/NNSA requirements at NNSA/NSO facilities.
 - d. Operate the electronic security systems to identified specifications by conducting strategic and long-term program planning and testing to ensure the protection of Government property, personnel, vital equipment, unclassified facilities, classified matter and special nuclear material.
 - e. Provide preventative and corrective maintenance for all electronic security systems at select NNSA/NSO-identified facilities recognizing that some components and subsystems in these electronic security systems are no longer supported by their manufactures.
 - f. Maintain a two-hour response capability to address and resolve system malfunctions and communication failures for all onsite systems under routine and emergency conditions. This requirement may be satisfied by a program of compensatory measures that are immediately implemented and maintained until such time as maintenance personnel can respond and complete corrective maintenance.
 - g. Coordinate with the site's management and operating contractor program/facilities personnel and the security coordinator, as appropriate, when system design activities require support for the development of engineering or related drawings. Provide sketches, detailed material lists and manufacturers' data sheets as required.
 - h. Perform all electronic security system support in a manner that is consistent with NNSA/NSO and the site's management and operating contractor work control processes and the Integrated Safety Management Program in accordance with applicable DOE/NNSA requirements.

- i. Provide recurring Mobile Intruder Reconnaissance Vehicle, Mobile Detection Assessment Response System robot, and Safe Secure Transport vehicle support for other organizations as directed by NNSA/NSO.
 - j. Ensure all aspects of security system engineering and installations are completed. The Contractor may elect to perform some or all of the work with in-house resources or request direct support of the site's management and operating contractor. Installation activities include, but are not limited to installing low voltage electronic systems, sensors and cabling and associated conduit, equipment cabinets, enclosures and junction and pull boxes, and electric door locks and door locking hardware associated with the automated access control and security alarm systems.
 - k. Maintain, support, evaluate, upgrade, install and/or replace, as necessary, the ongoing operation and expansion of an integrated badging, alarm and access control system. Provide support to NNSA/NSO contractors, tenants and users in the use of this system for badging and access operations. Provide the requisite software and appropriate level of user/administrator access to the system and its resources as necessary for badging and access operations.
 - l. Maintain and update the Physical Security Systems Technology Management Plan as defined in applicable DOE/NNSA requirements to reflect changes to the security systems and posture, and to support efforts by NNSA Headquarters to effectively forecast funding for replacement and upgrade of systems and components, as well as maintain cost controls for support.
2. Argus Project at the Device Assembly Facility (DAF)
- a. Background: The NNSA Office of Defense Nuclear Security has chosen the ARGUS Security System to replace the aging PECOS system that has been operational in the Device Assembly Facility located on the NNS. The Argus security system is the standard NNSA enterprise security system used for protection of SNM. The site's management and operating contractor (NSTec) established an integrated project team to effectively and efficiently execute the Argus project at the Device Assembly Facility. The execution of the project is divided among three institutions as the performing organizations: 1) Lawrence Livermore National Laboratory (LLNL); 2) The site management and operating contractor (currently NSTec); and 3) the ProForce contractor. A summary of the execution responsibilities by contractor are as follows:
 1. LLNL is responsible for providing Argus software and training activities. Acceptance, testing and training will also be performed by LLNL along with the ProForce contractor.
 2. NSTec is responsible for Argus integrated project management; reporting requirements; design engineering work for all DAF facility modifications; and installation/construction activities for all facility work for systems of 110V and more (power) and all work for through penetration and penetration seals.

3. The ProForce contractor is responsible for Argus system design modifications and facility DAF installation adaptation design; and some installation/construction activities for all System work and facility work for communication and signal work of 50v or less, including, but not limited to raceway, cable and equipment. Acceptance, testing and training will also be performed by the ProForce contractor along with LLNL.
- b. Current State. All systems design and infrastructure adaptation design is anticipated to be completed by the incumbent ProForce contractor.
- c. Current Requirements under the SOW. The Contractor shall provide appropriate technical support to the site's management and operating contractor in executing this project. Additionally, the Contractor is directly responsible for the following activities:
 1. Execute installation activities that are planned and integrated with DAF operations and Protective Force to ensure the security is maintained at the required level, and impact to facility operations is minimized. As system installation is anticipated to be during normal facility operating hours, the contractor's execution of these activities shall not interfere with facility operations and shall ensure the protection of occupants and site from harm or damage.
 2. Execute the Argus deployment with a sufficient level of project management rigor to minimize risk and maximize efficiency. Argus deployment should minimize disruption to facility or site operations.
 3. Establish a quality assurance program in accordance with applicable DOE/NNSA requirements.
 4. Develop a formal validation and test plan and all activation and test documentation necessary for the formal system cutover and acceptance by NNSA. Activities include oversight and performance of all structured tests, training of site personnel, and developing as-built documentation for the site.
 5. Administer, manage and support all aspects of Argus system functionality through a variety of application programs at remote workstations and direct connections to the Argus host. Five administrator roles are required and summarized in Attachment J-14 – Argus Function Descriptions.

D. VULNERABILITY ASSESSMENTS AND PERFORMANCE TESTING

1. Provide subject matter expertise to the cognizant contractor(s) as necessary for the conduct of vulnerability assessments and the preparation of required NNSA safeguards and security plans. Ensure appropriate personnel participate fully in the development, conduct and review of vulnerability assessments sufficient to meet applicable DOE/NNSA requirements.

2. Provide necessary, accurate and complete protective force and security systems performance test data that supports the vulnerability assessments and safeguards and security planning activities to the cognizant contractor(s) as necessary.
3. Provide a comprehensive performance testing and analysis capability that supports ongoing protective force training; selection, implementation and deployment of current and emerging security technologies; full participation in the conduct of vulnerability assessments; effectiveness testing of security systems, force-on-force plans and scenarios for periodic exercises, and prepares and submits comprehensive reports of results.
4. Maintain the ability to perform alarm response tests and limited scope performance tests as necessary to meet applicable DOE/NNSA requirements and in support of vulnerability assessments and site security plans.

E. SECURITY SUPPORT ACTIVITIES

1. Personnel Security
 - a. Process Contractor access authorization actions (security clearances) to meet NNSA/NSO expectations and applicable DOE/NNSA requirements and submit to the security support services contractor.
 - b. Conduct background reviews and tests for absence of any illegal drug as outlined in applicable DOE/NNSA requirements of uncleared personnel (employment applicants and current employees) who require access authorizations (security clearances) to perform work under this contract.
 - c. Perform functions in the USAccess System as defined at <http://www.fedidcard.gov/> in conjunction with Personal Identity Verification (PIV) badge processing. Responsibilities include performing: (a) complete required USAccess training commensurate with assigned roles; (b) Sponsorship duties which includes but is not limited to: entering the employee's required sponsorship data into the USAccess system, and remain aware of the employee's status and continuing need for holding a PIV badge; modify employee's record based on updates to biographic information or employment status; suspend, reactivate, terminate or revoke badge in the USAccess System; recover revoked or suspended credentials and send to the Security Officer, as defined by the USAccess System; initiate renewals, reprints, or reissuance's for current or previous cardholders, any additional sponsorship duties set-forth in USAccess; (c) Security Officer duties which includes but is not limited to: clearing flagged I-9 Document Referrals; clearing biometric and record duplicates; changing the card status of a card (Suspend, Revoke, and Reactivate); collecting and destroying cards during termination of employment, revocation, loss, or theft and any additional security officer duties set-forth in USAccess.
 - d. Verify U.S. citizenship for all employees associated with this contract.

- e. Prepare security badge requests for Contractor employees and submit to security support contractor.
- f. Maintain personnel security files for Contractor employees.

2. Human Reliability Program

Administer the site-wide Human Reliability Program for NNSA/NSO in accordance with 10 CFR 712 and other applicable requirements including but not limited to the following:

- a. Conduct and coordinate initial and annual training.
- b. Schedule all physical and psychological examinations required by the program.
- c. Conduct annual credit, criminal and motor vehicle checks.
- d. Maintain all required documentation and releases.
- e. Coordinate all Human Reliability Program certification/re-certification issues for a final determination of suitability.
- f. Administer a random drug and alcohol testing program.
- g. Submit Human Reliability Program packages to the NNSA/NSO Program Manager for final approval.
- h. Provide real-time status of Human Reliability Program certified personnel as required.
- i. Coordinate any withdrawals or suspensions of individuals from the Human Reliability Program.
- j. Coordinate and track any change in an individual's status in the program and access authorization with all impacted organizations.

3. Integrated Safeguards and Security Management

- a. Incorporate Integrated Safeguards and Security Management concepts and practices as defined by applicable DOE/NNSA requirements at all levels within the organization so contract requirements are accomplished securely.
- b. Participate in the NNSA/NSO Integrated Management Council, which is comprised of representatives from all site office contractors, activities that include preparation and issuance of implementing security policies, critical core expectations, and supplemental documentation.

4. Physical Security

- a. Prepare and maintain facility security plans and special security plans, orders, and procedures pertaining to facilities and program requirements under this SOW as required by applicable DOE/NNSA requirements.
- b. Provide preliminary and follow-up reports on all *Incidents of Security Concern* as a result of work executed under this contract as defined by applicable DOE/NNSA requirements to NNSA/NSO and NNSA Headquarters, as appropriate.
- c. Coordinate with the site's management and operating contractor the purchase, installation, and repair of physical barriers used for security purposes (doors, fences, gates, alarms, automated access control systems, etc.), security signs/notices and security-lock hardware/keys.
- d. Maintain badge access system computers, printers and badge system access at the two NNSA/NSO badge offices – one at the North Las Vegas Facility and one at the NNSS. Update and/or upgrade system components in accordance with mission needs, age and equipment failure to ensure daily operation.
- e. Provide qualified personnel to serve as the security representative to monitor security at the Nevada Support Facility; prepare and update the Nevada Support Facility Security Plan; and facilitate security requirements for the Nevada Support Facility and special events and activities that meet NNSA/NSO expectations.

5. Information Security

a. Classified Matter Protection and Control

- (1) Provide a qualified person as a point of contact with Classified Matter Protection and Control responsibilities as defined by applicable DOE/NNSA requirements.
- (2) Ensure all personnel with security clearances performing Classified Matter Protection and Control duties receive required training and refresher briefings. Ensure classified matter is protected from loss, theft and/or compromise.

b. Classification

- (1) Provide a qualified person, as defined by applicable DOE/NNSA requirements, to serve as the Classification Representative for the Contractor.
- (2) Nominate an appropriate number of qualified personnel, as defined by applicable DOE/NNSA requirements, to serve as Derivative Classifiers/Declassifiers and Unclassified Controlled Nuclear Information Reviewing Officials in accordance with the applicable DOE/NNSA requirements.

- c. Operations Security (OPSEC)
 - (1) Provide a qualified person as a point of contact with overall OPSEC responsibilities as defined by applicable DOE/NNSA requirements.
 - (2) Ensure appropriate personnel receive OPSEC training; conduct and document OPSEC self-assessments; and identify new, or changes in, projects, activities, or facilities that will require an OPSEC assessment and communicate that to the security support services contractor.
- d. Technical Surveillance Countermeasures
 - (1) Administer a Technical Surveillance Countermeasures Program in accordance with applicable DOE/NNSA requirements to include the following:
 - (a) Provide a properly trained and qualified individual to serve as a Technical Surveillance Countermeasures Officer.
 - (b) Coordinate audio and technical countermeasures requirements, surveys, and corrective actions for Contractor facilities with NNSA/NSO.
 - (2) Provide guidance to engineering, facilities and programmatic personnel regarding acoustic and technical security requirements for new facilities or areas that are being upgraded to security areas, including Special Access Program Facilities and Sensitive Compartmented Information Facilities as defined by applicable DOE/NNSA requirements.

F. ADMINISTRATIVE ACTIVITIES

- 1. Environmental, Safety, and Health
 - a. Conduct safety and health inspections in accordance with applicable DOE/NNSA requirements to ensure that operations are conducted in a safe manner.
 - b. Provide environmental oversight required to meet federal, state, and departmental standards.
 - c. Integrate safety into management and work practices at all levels within the organization so contract requirements are accomplished while protecting the public, work and environment.
 - d. Integrate the principles of Integrated Safety Management concepts and practices at all levels within the organization so contract requirements are accomplished safely.
 - e. Participate in the NNSA/NSO Integrated Management Council activities that include preparation and issuance of implementing safety policies, critical core expectations, and supplemental documentation.

G. TRANSITION PERIOD

First Thirty Days of performance: During the initial thirty days of performance of this contract, the contractor shall conduct transition activities in accordance with the contractor's Transition Plan as approved by the Contracting Officer and included in Attachment J-9 of this contract. The contractor shall perform all necessary activities to be at full performance level within the initial 30-day period after contract award and ensure the orderly and efficient transition of contract functions from the prior contract to this contract in such a manner that impacts on the continuity of operations are minimized and essential functions are performed in accordance with direction from DOE/NNSA.

H. REPORTS AND DELIVERABLES

All reports and deliverables shall be provided in accordance with Reporting Requirements Checklist at Attachment J-2.

I. ACRONYMS

CAD	Computer Aided Design
CFR	Code of Federal Regulations
DOE	Department of Energy
LLNL	Lawrence Livermore National Laboratory
NNSA	National Nuclear Security Administration
NSS	Nevada National Security Site
NSO	Nevada Site Office
OPSEC	Operations Security
PIV	Personal Identity Verification
SOW	Statement of Work