GENERAL SERVICES ADMINISTRATION  
FEDERAL SUPPLY SERVICE  
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST

MULTIPLE AWARD SCHEDULE  
FSC GROUP: PROFESSIONAL SERVICES

GEM Technologies, Inc.  
Phone: 865-560-9434  
Fax: 865-560-9404  
2033 Castaic Lane  
Knoxville, TN 37932  
https://www.gemtechnologiesinc.com/  
Business Size: Small Business

Contract Number: 47QRAA20D007W  
Contract Period: July 15, 2020 – July 14, 2025  
Contract Administration: Benjamin Jerrell  
Email: bjerrell@gemserve.com  
Phone: 865-660-7339

Current Through Mod PS-0004, Effective May 16, 2022

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov. On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!™, a menu-driven database system. The INTERNET address for GSA Advantage!™ is: http://www.GSAAdvantage.gov.
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Customer Information

1. Awarded Special Item Numbers:

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<tr>
<th>SIN</th>
<th>Recovery</th>
<th>SIN Description</th>
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1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract: Not Applicable

1c. Hourly Rates: See Pg. 5

2. Maximum order: $1,000,000

3. Minimum order: $100.00

4. Geographic coverage (delivery area): Domestic Only

5. Point(s) of production: Same as Contractor

6. Discount from list prices or statement of net price: GSA prices are net

7. Quantity discounts: None

8. Prompt payment terms: Net 30 days. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign Items: None

10a. Time of Delivery: Contact Contractor

10b. Expedited Delivery: Contact Contractor

10c. Overnight and 2-Day Delivery: Contact Contractor
10d. **Urgent Requirements**: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract. Contact Contractor.

11. **F.O.B. Point**: Destination

12a. **Ordering Address**:  
2033 Castaic Lane  
Knoxville TN 37932  
Phone: 865-560-9404  
Email: swaters@gemtechnologiesinc.com

12b. **Ordering Procedures**: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. **Payment Address**:  
2033 Castaic Lane  
Knoxville TN 37932  
Phone: 865-243-3592  
Email: apitts@gemserve.com

14. **Warranty Provision**: Contractor’s Standard Commercial Warranty

15. **Export Packing Charges**: Not Applicable

16. **Terms and Conditions of Rental, Maintenance, and Repair**: Not Applicable

17a. **Terms and Conditions of Installation**: Not Applicable

18a. **Terms and Conditions of Repair Parts**: Not Applicable

18b. **Terms and Conditions for Any Other Services**: Not Applicable

19. **List of Service and Distribution Points**: Not Applicable

20. **List of Participating Dealers**: Not Applicable

21. **Preventative Maintenance**: Not Applicable
22a. Special Attributes, Such as Environmental Attributes: Not Applicable

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at: www.Section508.gov/: Not Applicable

23. Unique Entity Identifier (UEI) Number: MQ1PG6HWBCQ4

24. Notification Regarding Registration in System for Award Management (SAM) Database: Contractor is registered and active in SAM.gov.

**GSA 5 Year Pricing**

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Labor Category Descriptions

Senior Environmental Compliance/Waste Management Specialist
Functional Responsibility: Serves as an environmental and/or waste management subject-matter expert within an area/discipline of the Environmental Management System. Provide in-depth subject matter expertise and/or program leadership for a particular area (e.g. radioactive waste management, air pollution control & compliance, etc.), including performing technical reviews of work performed by others to assure applicable standards are consistently met. May serve in the role of waste acceptance and/or certification officer. Responsible for developing environmental/waste management compliance strategies for highly complex, important, or sensitive issues, projects, or activities. Responsible for interpretation of requirements and ability to interpolate and extrapolate engineering-oriented design and Operational standards, rules, policies and strategies as needed to develop solutions to problems or issues of particular importance to the Company. Responsible for making independent professional judgments, decisions and evaluations and effectively debrief management representatives to resolve technical problems.
Education/Experience: Bachelors/10
Acceptable Equivalencies: No Degree/14 years of experience. Master’s Degree/4 years of experience.

Environmental Project Manager
Functional Responsibility: Provide overall environmental/waste management leadership for projects or programs. Resolve day to day problems regarding interpretation of requirements that are referred by subordinated staff. Provide major input for rules/regulations and policy/procedure development/modification in program areas of responsibility and technical expertise. Interface with customers, other environmental staff, and management as appropriate. Determine priorities/schedules for timely completion of work projects in assigned program area. Develop project plans and schedules to assist in the management and implementation of a project. Compose correspondence dealing with subject matter in ways that call for considerable discretion, judgments, and authority. Write detailed plan or proposal for action or program activity based on own research, analysis, and evaluation.
Education/Experience: Bachelors/10
Acceptable Equivalencies: No Degree/14 years of experience. Master’s Degree/4 years of experience.

Environmental Compliance Representative/Waste Services Representative
Functional Responsibility: Serve as a field-deployed Environmental Compliance Representative and/or Waste Services Representative to review environmental, safety, and health compliance guidelines. Serve as the primary interface with laboratory research & operations organizations. Review field activities to identify environmental and waste management requirements. Conduct environmental surveillances, inspections, and reviews.
Education/Experience: Bachelors/5
Acceptable Equivalencies: No Degree/9 years of experience. Master’s Degree/0 years of experience.
Project Controls Specialist

Functional Responsibility: Responsible for integration of activities and departments, documents, accounting and control functions. Develop detailed labor hour summaries, cost summaries, creating/maintaining project schedules, project scope summaries and other "as needed" reports as requested by. Develop draft reports, programmatic presentations, compilation of supporting data and production of final technical reports and memoranda. Prepare monthly status reports on cost/schedule performance. Provide developmental support to the managers as required to develop and produce technical reports and memoranda. Develop project schedule information. Lead monthly project controls meeting to review and update the performance of each active project as required. Review principle technical reports or memoranda for accuracy and completeness prior to issue. Perform special project work or other unique tasks as assigned.

Education/Experience: Bachelors/8
Acceptable Equivalencies: No Degree/12 years of experience. Master’s Degree/2 years of experience.

Senior Financial/Reports & Data Analyst

Functional Responsibility: Perform analysis on a wide range of financial and programmatic data in order to advise management on status of program activities. Conduct detailed financial analysis on direct and indirect costs, develop summary data reports to meet programmatic performance measurement objectives, and responding to day-to-day management requests for information, reports, and presentations. Responsible for providing timely and accurate financial analysis reports & data. This includes advising management as required and providing recommendations on potential actions to address issues that are identified. Review information on overall waste management costs, generator charge-back costs via internal effort charge-back system (PALS), reporting of overhead-funded activities, maintenance of cost objects and cost centers, distribution of chargeback hours to generators, preparation of presentations and flow charts as needed, waste tracking reports and other assistance as required.

Education/Experience: Bachelors/10
Acceptable Equivalencies: No Degree/14 years of experience. Master’s Degree/4 years of experience.

Reports and Data Assistant

Functional Responsibility: Assist program staff in the creation and management of various data, including retention of required reports and records as required by regulatory drivers or as needed in support of program activities. Provide reports and data support in the generation of required reports, and in the proper maintenance retention of written and electronic information in accordance with Company records management requirements. Actively manage environmental and/or waste management data using established software tools (e.g. BroadPointe) in accordance with program direction. Generate requested reports using noted software tools. Assure placement of required electronic records on Company websites, SharePoint, etc. in accordance with Program needs.

Education/Experience: Associates/3

Data Management Specialist

Functional Responsibility: Develop software with the core functionality of supporting waste management activities, to be deployed as a web-based application.
Activities include design workflow process for item level waste characterization, creation of pack plans for packing items into DOT packaging, storing and tracking waste in authorized locations, creation and tracking of shipping papers and support internal cost transfers. Develop project schedule information. Participate in meetings designed to measure progress and resolve problems. Skill in working with waste management professionals and financial staff on a wide range of topics.

**Education/Experience:** Bachelors/5

**Acceptable Equivalencies:** No Degree/9 years of experience. Master’s Degree/0 years of experience.

**Environmental Sampling Technician**

**Functional Responsibility:** Serve as environmental sampling technician within the Environmental Protection Services Division. Environmental sampling tasks could include air, water, or other media. Collect and manage environmental samples associated with environmental programs. Collect, manage, and transport environmental samples according to procedures and state and Federal requirements. Ability to work outdoors in potentially physically challenging situations (stack climbing, water sampling on creek banks, etc.).

**Education/Experience:** Associates/0

**Consultant**

**Functional Responsibility:** Research and provide details and specific technical requirements at nuclear and non-nuclear facilities. Assist with assessments, regulatory oversight or implementation of regulatory requirements. Perform analyses, computer modeling and simulation, interpretation of codes and standards. Provide expert knowledge or techniques in a specific subject area, such as Project Management, Nuclear Safety, Fire Protection, Criticality Safety, Process Engineering, Environmental, Waste Management, and D&D.

**Education/Experience:** Bachelors/10

**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.

**Consultant I**

**Functional Responsibility:** Provide experience and expertise for specific technical requirements at nuclear and non-nuclear facilities. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements. Perform complex calculations and analyses, computer modeling and simulation, interpretation of codes and standards.

**Education/Experience:** Bachelors/15

**Acceptable Equivalencies:** No Degree/19 years of experience. Master’s Degree/9 years of experience.

**Consultant II**

**Functional Responsibility:** Provide experience and expertise for specific technical requirements at nuclear and non-nuclear facilities. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements. Perform complex calculations and analyses, computer modeling and simulation, interpretation of codes and standards. Provide
expert knowledge or techniques in a specific subject area, such as Project Management, Nuclear Safety, Fire Protection, Criticality Safety, and Process Engineering.

**Consultant III**

**Functional Responsibility:** Provide experience and expertise for specific technical requirements at nuclear and non-nuclear facilities. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements. Perform complex calculations and analyses, computer modeling and simulation, interpretation of codes and standards. Provide expert knowledge or techniques in a specific subject area, such as Project Management, Nuclear Safety, Fire Protection, Criticality Safety, and Process Engineering. Responsible for oversight of Consulting Staff on project.

**Education/Experience:** Bachelors/20

**Acceptable Equivalencies:** No Degree/24 years of experience. Master’s Degree/14 years of experience.

**Criticality Safety Analyst I**

**Functional Responsibility:** Provide experience and expertise for specific technical requirements at project location as a nuclear criticality safety engineer. Perform nuclear criticality safety evaluations. Utilize MCNP code as required. Performs under managerial oversight and significant senior engineer mentoring.

**Education/Experience:** Bachelors/1

**Acceptable Equivalencies:** No Degree/5 years of experience. Master’s Degree/0 years of experience.

**Criticality Safety Analyst II**

**Functional Responsibility:** Provide experience and expertise for specific technical requirements at project location as a nuclear criticality safety engineer. Perform criticality safety evaluations. Utilizes MCNP code as required. Performs operational support. Performs under managerial oversight and senior engineer mentoring.

**Education/Experience:** Bachelors/5

**Acceptable Equivalencies:** No Degree/9 years of experience. Master’s Degree/0 years of experience.

**Criticality Safety Analyst III**

**Functional Responsibility:** Acts as a nuclear criticality safety subject matter expert based on experience in performing criticality safety evaluations. Performs project operation support for the development of new theories and methods. Develops resolutions to problems, perform analysis and in-depth evaluation. Performs under managerial oversight.

**Education/Experience:** Bachelors/10

**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.
Criticality Safety Analyst IV

**Functional Responsibility:** Acts as a nuclear criticality safety subject matter expert based on experience in performing criticality safety evaluations. Performs project operation support for the development of new theories and methods. Develops resolutions to problems that require the frequent use of creativity and where analysis and situations or data requires an in-depth evaluation of a variety of factors. Work is accomplished under managerial oversight.

**Education/Experience:** Bachelors/12

**Acceptable Equivalencies:** No Degree/16 years of experience. Master’s Degree/6 years of experience.

Criticality Safety Engineer

**Functional Responsibility:** Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials.

The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/3

Criticality Safety Engineer I

**Functional Responsibility:** Support criticality safety programs with the preparation of criticality safety evaluations (CSEs) and its implementation; experience integrating it with other programs. Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials. The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/5

Criticality Safety Engineer II

**Functional Responsibility:** Supporting criticality safety programs with the preparation of criticality safety evaluations (CSEs) and its implementation; experience integrating it with other programs (e.g., operations, design, SB documentation). Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials. The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work
documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/8

**Criticality Safety Engineer III**

**Functional Responsibility:** Support criticality safety programs with the preparation of criticality safety evaluations (CSEs) and its implementations. Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials.

The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/10

**Senior Criticality Safety Engineer**

**Functional Responsibility:** Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials. The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset condition as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and interactive (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/15

**Fire Protection Engineer I**

**Functional Responsibility:** Experienced in fire protection elements in nuclear and high hazard facilities. Understanding of protection elements in nuclear and high hazard facilities. Knowledge of fire protection requirements, codes, and fire hazard analysis. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; DOE Orders and DOE-mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Training, qualification and skill development shall be in progress.

**Education/Experience:** Bachelors/5
Fire Protection Engineer II
Functional Responsibility: Experienced in fire protection elements in nuclear and high hazard facilities. Knowledge of fire protection requirements, codes, and fire hazard analysis. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; DOE Orders and DOE-mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses.
Education/Experience: Bachelors/10

Fire Protection Engineer Manager I
Functional Responsibility: Recognized as a subject matter expert in Fire Protection for complex nuclear and high hazard facilities. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; DOE Orders and DOE-mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Perform quantitative fire hazard analysis and risk assessments.
Education/Experience: Bachelors/12

Fire Protection Engineer Manager II
Functional Responsibility: Provide expert knowledge and management of Fire Protection in complex nuclear and high hazard facilities. Recognized as a subject matter expert in Fire Protection for complex nuclear and high hazard facilities. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; government mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Ability to perform quantitative fire hazard analysis and risk assessments.
Education/Experience: Bachelors/20

Fire Protection Engineer Manager III
Functional Responsibility: Provide expert knowledge and management of Fire Protection in complex nuclear and high hazard facilities. Directs, plans, coordinates and budgets personal activities, usually through subordinate supervisory personnel. Recognized in the DOE Complex as a subject matter expert in Fire Protection for complex nuclear and high hazard facilities. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; government mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Perform quantitative fire hazard analysis and risk assessments.
Education/Experience: Bachelors/25

Nuclear Safety Analyst I
Functional Responsibility: Safety analysis training, qualification and skills development shall be in progress in the area of risk assessment, hazard categorization, hazard and accident analysis methods, DOE Orders and Integrated Safety Management. Provide technical assistance in the
development of documented safety analyses, technical safety requirements, and related technical support documentation in accordance with industry and company quality standards. Ensure that the developed nuclear safety documentation complies with requirements and as necessary, applicable controls are implemented in implementing procedures.

**Education/Experience:** Bachelors/5

**Acceptable Equivalencies:** No Degree/9 years of experience. Master’s Degree/0 years of experience.

**Nuclear Safety Analyst II**

**Functional Responsibility:** Safety analysis knowledge shall include such areas of risk assessment, hazard categorization, hazard and accident analysis methods, DOE Orders and Integrated Safety Management.

Safety analysis training, qualification and skills development in the area of risk assessment, hazard categorization, hazard and accident analysis methods, DOE Orders and Integrated Safety Management. Provide technical assistance in the development of documented safety analyses, technical safety requirements, and related technical support documentation in accordance with industry and company quality standards. Ensure that the developed nuclear safety documentation complies with requirements and as necessary, applicable controls are implemented in implementing procedures.

**Education/Experience:** Bachelors/5

**Acceptable Equivalencies:** No Degree/9 years of experience. Master’s Degree/0 years of experience.

**Nuclear Safety Analyst III**

**Functional Responsibility:** Lead Safety Basis documentation development with proficiency and experience in the areas of safety analysis, engineering and operations for the specific type of nuclear and high hazard facilities included in the scope of Task. Provide technical assistance in the development of documented safety analyses, technical safety requirements, and related technical support documentation in accordance with industry and company quality standards. Ensure that the developed nuclear safety documentation complies with requirements and as necessary, applicable controls are implemented in implementing procedures. Identify and tailor applicable functional, operational, and regulatory compliance-based requirements for missions, projects, and activities. Support safety basis implementation and readiness activities at nuclear facilities. Provide expert level knowledge of integrating nuclear safety requirements to new missions, facilities and projects. Work with teams to analyze and solve technical nuclear safety issues. Safety analysis expertise shall include such areas as risk assessment, hazard categorization, hazard and accident analysis methods, TSR development, DOE Orders, and integrated Safety Management.

**Education/Experience:** Bachelors/10

**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.

**Nuclear Safety Analyst IV**

**Functional Responsibility:** Recognized as a subject matter expert based on leadership in development and implementation of Safety Basis documentation for a wide variety of complex nuclear and high hazard facilities. Safety analysis expertise shall include such areas as risk assessment, hazard categorization, hazard and accident analysis methods, TSR development, DOE Orders, and integrated Safety Management.
assessments, hazard categorizations, hazard and accident analysis methods, government Orders, and safety basis issues. Demonstrated performance in leading Safety Basis documentation development with proficiency and experience in the areas of safety analysis, engineering and operations for the specific type of nuclear and high hazard facilities included in the scope of Task. Provide technical assistance in the development of documented safety analyses, technical safety requirements, and related technical support documentation in accordance with industry and company quality standards. Ensure that the developed nuclear safety documentation complies with requirements and as necessary, applicable controls are implemented in implementing procedures. Identify and tailor applicable functional, operational, and regulatory compliance-based requirements for missions, projects, and activities. Support safety basis implementation and readiness activities at nuclear facilities. Provide expert level knowledge of integrating nuclear safety requirements to new missions, facilities and projects.

Work with teams to analyze and solve technical nuclear safety issues. Safety analysis expertise shall include such areas as risk assessment, hazard categorization, hazard and accident analysis methods, TSR development, government Orders, and integrated Safety Management.

**Education/Experience:** Masters/12

**Acceptable Equivalencies:** Bachelors/16

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**Project Manager**

**Functional Responsibility:** Provides leadership, overall management, supervises and monitors the daily and long-term work activities of Subcontract employees who provide technical support for safety basis activities. Establishes multiple teamwork plans/schedules, resolves complex work issues, develops and implements workflow processes. Act as primary interface for all subcontract and technical matters. Manages technical support activities to ensure customers’ goals and deliverables are met. Leads team in executing strategy and objectives for the organization.

**Education/Experience:** Associates/6

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**Project Manager I**

**Functional Responsibility:** Experience in development and tracking of detailed budget schedules. Demonstrated skill to plan, organize lead and monitor a variety of team efforts to their successful completion. Must possess excellent oral and written communication skills in order to effectively interface with all levels of personnel with tact, diplomacy, and authority. Demonstrate ability to work independently, organize and prioritize work, and manage multiple tasks and changing priorities. Must understand and be committed to continuous improvement processes. Demonstrate skill to establish and maintain strong and effective customer relations, and to anticipate change and adjust promptly and effectively.

**Education/Experience:** Bachelors/10

**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.

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**Senior Executive Advisor**

**Functional Responsibility:** Functions as a member of a management team as an advisor in the planning, coordination and management of scientific/technical and/or programmatic activities. Contribute to development of objectives and principles and to achieve goals in creative and effective ways. Develop advanced concepts, techniques, and standards based on professional
principles and theories. Viewed as expert in field within the Laboratory. Works on unusually significant, unique or complex issues, provides solutions that are highly creative and where analysis of situations or data requires an evaluation of intangibles. Has impact on success of future concepts, products or technologies. Works under consultative direction toward predetermined long-range targets. Assignments are often self-initiated. Virtually self-supervisory. Uses independent judgment for determining course of action to accomplish objectives. Uses wide latitude in the method, techniques and evaluation criteria for obtaining results.

**Education/Experience:** Masters/20
**Acceptable Equivalencies:** Bachelors/24

**Senior Technical Consultant I**
**Functional Responsibility:** Provide technical advice regarding the management of engineering, and maintenance of nuclear and non-nuclear facilities or management of large-scale science and technology programs/projects to senior management. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements.

**Education/Experience:** Bachelors/10
**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.

**Senior Technical Consultant II**
**Functional Responsibility:** Provide technical advice regarding the management of engineering, and maintenance of nuclear and non-nuclear facilities or management of large-scale science and technology programs/projects to senior management. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements.

**Education/Experience:** Masters/15
**Acceptable Equivalencies:** Bachelors/19

**Senior Technical Consultant III**
**Functional Responsibility:** Provide technical advice regarding the management of engineering, and maintenance of nuclear/non-nuclear facilities or management of large-scale science and technology programs/projects to senior management. Perform management, operations, assessments, regulatory oversight or implementation of regulatory requirements.

**Education/Experience:** Masters/18
**Acceptable Equivalencies:** Bachelors/22

**Sr. Principal Advisor**
**Functional Responsibility:** Recognized as subject matter expert in technical field. Solve complex problems under demanding schedules and environments. Perform management and senior management leadership.

**Education/Experience:** Masters/20
**Acceptable Equivalencies:** Bachelors/24

**Technical Document Specialist III**
**Functional Responsibility:** Under general supervision, perform and oversee a variety of assignments to produce and manage technical documents, numerical data, tabular information, responsible for storage, cataloging and retrieval of documents. Maintain the integrity of working documents and update documentation when revised. They maintain systems for document storage and retrieval and help train employees on efficient system usage. They are also responsible for document security, for assigning access, and for removing and destroying obsolete documents.

**Education/Experience:** Bachelors/10

**Acceptable Equivalencies:** No Degree/14 years of experience. Master’s Degree/4 years of experience.

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**Criticality Safety Consultant I**

**Functional Responsibility:** Recognized criticality expert in the nuclear community. Establish, manage, and assessing criticality safety programs. Implementing a criticality safety program and integrating it with other programs (e.g., operations design). Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials. The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/18

**Acceptable Equivalencies:** No Degree/22 years of experience. Master’s Degree/12 years of experience.

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**Criticality Safety Consultant II**

**Functional Responsibility:** Criticality expert in the nuclear community. Manage or assess criticality safety programs. Implement a criticality safety program and integrating it with other programs (e.g., operations, design). Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials. The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/20

**Acceptable Equivalencies:** No Degree/24 years of experience. Master’s Degree/14 years of experience.
Criticality Safety Consultant III

**Functional Responsibility:** Perform expert support of criticality safety community and establishing or managing or assessing criticality safety programs. Implement a criticality safety program and integrating it with other programs. Perform nuclear criticality safety evaluations for new and changed operations involving significant quantities of fissile/fissionable materials.

The evaluation process requires (but is not limited to): process walk-downs, review of engineering drawings and/or system sketches, review of operating procedures and work documents, review of prior related evaluations and reports, analysis of normal and credible upset conditions as determined by process personnel, research of critical mass data references and consensus standards, performing simplistic and complex computations using industry standard methods, e.g., density scaling, method of fractions, buckling, MCNP, PARTISN, SCALE, and iterative (recurring) development of process administrative requirements and engineered features (limits) in conjunction with operations supervision.

**Education/Experience:** Bachelors/25

**Acceptable Equivalencies:** No Degree/29 years of experience. Master’s Degree/19 years of experience.

Nuclear Engineering Trainer Consultant I

**Functional Responsibility:** Develop, deliver, and assess nuclear engineering, nuclear safety, or nuclear operations courses; this experience is extended to implementing training programs to support qualification requirements for nuclear personnel. Perform periodic reviews and gap analysis to continually identify areas where additional training should be conducted.

**Education/Experience:** Bachelors/12

**Acceptable Equivalencies:** No Degree/16 years of experience. Master’s Degree/6 years of experience.

Nuclear Engineering Trainer Consultant II

**Functional Responsibility:** Develop, deliver and assess at nuclear engineering, nuclear safety, or nuclear operation courses; this experience is extended to implementing training programs to support qualification requirements for nuclear personnel. Perform periodic reviews and gap analysis to continually identify areas where additional proactive training should be conducted.

**Education/Experience:** Bachelors/15

**Acceptable Equivalencies:** No Degree/19 years of experience. Master’s Degree/9 years of experience.

Nuclear Explosive Safety Consultant I

**Functional Responsibility:** Subject Matter Consultant with Nuclear Explosives Safety experience in implementing and assessing a nuclear explosive safety program, including supporting safety input documents. Support Nuclear Explosive Safety Study or equivalent
studies as required. Extensive experience in integrating nuclear explosives safety with other operational and safety programs and activities (e.g., safety basis, assembly or disassembly activities).

**Education/Experience:** Bachelors/20

**Acceptable Equivalencies:** No Degree/24 years of experience. Master’s Degree/14 years of experience.

**Nuclear Explosive Safety Specialist I**

**Functional Responsibility:** Background in nuclear explosive safety and experience implementing a nuclear explosive safety program, including supporting safety input document, master studies, weapons responses. Support Nuclear Explosive Safety Study or equivalent studies as required. Experience in integrating nuclear explosives safety with other operational and safety programs and activities (e.g., safety basis, assembly or disassembly activities).

**Education/Experience:** Bachelors/8

**Acceptable Equivalencies:** No Degree/12 years of experience. Master’s Degree/2 years of experience.

**Nuclear Explosive Safety Specialist II**

**Functional Responsibility:** Background in nuclear explosive study and experience implementing a nuclear explosive safety program including supporting safety input documents, master studies, and weapons responses. Support Nuclear Explosive Safety Study or equivalent studies. Experience in integrating nuclear explosives safety with other operational and safety programs and activities (e.g., safety basis, assembly or disassembly activities).

**Education/Experience:** Bachelors/12

**Acceptable Equivalencies:** No Degree/16 years of experience. Master’s Degree/6 years of experience.

**Nuclear Explosive Safety Specialist III**

**Functional Responsibility:** Background in nuclear explosive safety and experience implementing a nuclear explosive safety program including supporting safety input documents, master studies, and weapons responses. Supporting Nuclear Explosive Safety Study or equivalent studies as required. Experience in integrating nuclear explosives safety with other operational and safety programs and activities (e.g., safety basis, assembly or disassembly activities).

**Education/Experience:** Bachelors/18

**Acceptable Equivalencies:** No Degree/22 years of experience. Master’s Degree/12 years of experience.

**Nuclear Operations & Safety Consultant I**

**Functional Responsibility:** Establish and manage a nuclear safety management program compliant with 10 CFR 830 including preparation of needed nuclear safety management procedures compatible with the NTS procedure program. Establish and manage a criticality safety program compliant with appropriate ANSI/ANS requirements including preparation of needed nuclear safety management procedures compatible with the NTS procedure program.
Provide project and program management skills to coordinate these activities into the NSTec procedures.

**Education/Experience:** Bachelors/12

**Acceptable Equivalencies:** No Degree/16 years of experience. Master’s Degree/6 years of experience.

**Nuclear Operations & Safety Consultant II**

**Functional Responsibility:** Assist in the establishment and management a nuclear safety management program compliant with 10 CFR 830 including preparation of needed nuclear safety management procedures compatible with the NTS procedure program.

Provide subject matter expertise (SME) in the development of criticality safety programs compliant with appropriate ANSI/ANS requirements including preparation of needed nuclear safety management procedures compatible with the NTS procedure program. Provide and program management skills to coordinate these activities into the NSTec procedure.

**Education/Experience:** Bachelors/20

**Acceptable Equivalencies:** No Degree/24 years of experience. Master’s Degree/14 years of experience.

**Radiation Safety Specialist I**

**Functional Responsibility:** Professional certification is required. Individual is able to apply all aspects of an effective radiological control program with emphasis on the protection of workers and the public in a research and development environment. Knowledge of Integrated Safety Management Programs, including applications of the guiding principles and core functions of integrated safety management. Knowledge in radiation protection and health physics, including radiation effects, contamination control, shielding, radiation surveys, instrumentation, dosimetry, exposure limits, personal protective equipment, radiation work permits, and radiation protection procedures and postings. Evaluate the application of radiation protection requirements, plans, systems, and procedures sufficient to evaluate compliance with regulations and standards and the overall effectiveness of a program.

**Education/Experience:** Bachelors/12

**Acceptable Equivalencies:** No Degree/12 years of experience. Master’s Degree/6 years of experience.

**Radiation Safety Specialist II**

**Functional Responsibility:** Individual is able to apply all aspects of an effective radiological control program with emphasis on the protection of workers and the public in a research and development environment. Expert knowledge of Integrated Safety Management Programs, including applications of the guiding principles and core functions of integrated safety management. Expert knowledge in radiation protection and health physics, including radiation effects, contamination control, shielding, radiation surveys, instrumentation, dosimetry, exposure limits, personal protective equipment, radiation work permits, and radiation protection procedures and postings. Evaluate the application of radiation protection requirements, plans, systems, and procedures sufficient to evaluate compliance with regulations and standards and the overall effectiveness of a program.
Education/Experience: Bachelors/15
Acceptable Equivalencies: No Degree/19 years of experience. Master’s Degree/9 years of experience.

Technical Analyst I
Functional Responsibility: The Technical Analyst I shall have a basic technical knowledge base of scientific/engineering standard concepts, principles and techniques. The Technical Analyst I duties may include programming, technical writing, and document control. The Technical Analyst I shall have the ability to apply formal training. Must be able to communicate effectively and have good organizational skills.

Education/Experience: Associates/2

Technical Analyst II
Functional Responsibility: The Technical Analyst II shall have a sound technical knowledge base of scientific/engineering standard concepts, principles and techniques. The Technical Analyst II duties may include programming, technical writing, and document control. Must be able to communicate effectively and have good organizational skills.

Education/Experience: Associates/4

Technical Analyst III
Functional Responsibility: The Technical Analyst III shall have a sound technical knowledge base of scientific/engineering standard concepts, principles and techniques. The Technical Analyst III duties may include programming, technical writing, and document control. Must be able to communicate effectively and have good organizational skills. Track, resolve, and document root causes of technical problems.

Education/Experience: Bachelors/4
Acceptable Equivalencies: No Degree/8 years of experience. Master’s Degree/0 years of experience.

Technical Analyst IV
Functional Responsibility: The Technical Analyst IV shall have a sound technical knowledge base of scientific/engineering standard concepts, principles and techniques. The Technical Analyst IV duties may include programming, technical writing, and document control. Must be able to communicate effectively and have good organizational skills. Track, resolve, and document root causes of technical problems.

Education/Experience: Bachelors/8
Acceptable Equivalencies: No Degree/12 years of experience. Master’s Degree/2 years of experience.

Engineer Level 1
Functional Responsibility: Engineers apply physical laws and principles for the development and utilization of machines, materials, instruments, structures, processes, and services. Typical areas of specialization are research, design, construction, testing, production and operations. Also included are the preparation of drawings, specifications, calculations/simulations, studies and other documents, cost estimates, and participation in verification tests. Engineers may lead other
engineers and professionals, technicians, craft workers, and laborers in projects of moderate or small scope, which are closely related to their area of technical expertise.

**Education/Experience:** Bachelors/2

**Engineer Level 2**

**Functional Responsibility:** Engineers apply physical laws and principles for the development and utilization of machines, materials, instruments, structures, processes, and services. Typical areas of specialization are research, design, construction, testing, production and operations. Also included are the preparation of drawings, specifications, calculations/simulations, studies and other documents, cost estimates, and participation in verification tests. Engineers may lead other engineers and professionals, technicians, craft workers, and laborers in projects of moderate or small scope, which are closely related to their area of technical expertise.

**Education/Experience:** Bachelors/5

**Engineer Level 3**

**Functional Responsibility:** Engineers apply physical laws and principles for the development and utilization of machines, materials, instruments, structures, processes, and services. Typical areas of specialization are research, design, construction, testing, production and operations. Also included are the preparation of drawings, specifications, calculations/simulations, studies and other documents, cost estimates, and participation in verification tests. Engineers may lead other engineers and professionals, technicians, craft workers, and laborers in projects of moderate or small scope, which are closely related to their area of technical expertise.

**Education/Experience:** Bachelors/10

**Engineer Level 4**

**Functional Responsibility:** Engineers apply physical laws and principles for the development and utilization of machines, materials, instruments, structures, processes, and services. Typical areas of specialization are research, design, construction, testing, production and operations. Also included are the preparation of drawings, specifications, calculations/simulations, studies and other documents, cost estimates, and participation in verification tests. Engineers may lead other engineers and professionals, technicians, craft workers, and laborers in projects of moderate or small scope, which are closely related to their area of technical expertise.

**Education/Experience:** Bachelors/15

**Engineer Level 5**

**Functional Responsibility:** Engineers apply physical laws and principles for the development and utilization of machines, materials, instruments, structures, processes, and services. Typical areas of specialization are research, design, construction, testing, production and operations. Also included are the preparation of drawings, specifications, calculations/simulations, studies and other documents, cost estimates, and participation in verification tests. Engineers may lead other engineers and professionals, technicians, craft workers, and laborers in projects of moderate or small scope, which are closely related to their area of technical expertise.

**Education/Experience:** Bachelors/20

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**Service Contract Labor Standards (SCLS)**

The Service Contract Labor Standards (SCLS), also referred to as the Service Contract Act (SCA) is applicable to this contract as it applies to the entire Multiple Award Schedule and all
services provided. While no specific labor categories/services have been identified as being subject to SCLS/SCA due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CFR 541.300), this contract still maintains the provisions and protections for SCA eligible labor categories. If and/or when the contractor adds SCA labor categories/employees to the contract through the modification process, the contractor must inform the Contracting Officer and establish a SCA matrix identifying the GSA labor category titles, the occupational code, SCA labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.