JSC Engineering, Technology, and Science Contract

Standard Labor Categories (SLCs)

Attachment J–26

SLC	SLC Guidelines
Standard Labor Categories	The offerors will develop their cost estimates using their estimating system. The offerors will map their labor categories to the SLCs using the guidelines provided below. SLCs are intended to broadly group proposed labor into a manageable number of categories. These guidelines do not address all the possible specific skills, or requirements to acquire an understanding of the complexities of the work required to successfully meet the JETS requirements. Accordingly, offerors must propose the resources required to successfully meet these requirements. Offerors are allowed to include additional labor categories that do not easily map into the SLC below; however, the offerors must provide job descriptions similar to the guidelines provided in the following table.
Program Manager	Coordinates and monitors the scheduling, pricing, and technical performance of this contract. Ensures adherence to master plans and schedules develops solutions to program problems, and directs work of employees assigned to program from various departments. Ensures projects are completed on time and within budget. Acts as advisor to program team regarding projects, tasks, and operations. Requires a bachelor's degree and normally possess 10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks.
Manager	Ensures employees in functional areas follow established procedures and generate finished work products under time and budgetary constraints and ensures product yields the expected outcome and meets established quality levels. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. Requires a bachelor's degree and normally possess 5 years of experience in the field or in a related area. Typically reports to a Program Manager.
Supervisor	Supervisors activities and oversees personnel. Ensures proper procedure, and helps devise new techniques. A supervisor has full authority and may be considered a member of management. Typically requires a bachelor's degree or 5 years experience in area of specialty. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Typically report to a Manager.

SLC	SLC Guidelines
Scientist I	Performs professional work in research, using theoretical and experimental investigation in his/hers specific discipline. Develops methodologies to solve problems. A BS degree is required. Familiar with a variety of the field's concepts, practices, and procedures. Performs a variety of tasks. Requires some supervision.
Scientist II	Performs professional work in research, using theoretical and experimental investigation in his/hers specific scientific discipline. Develops methodologies to solve problems. A BS degree and a minimum of 5 years experience are required. Familiar with a variety of the field's concepts, practices, and procedures. Performs a variety of tasks. May direct the efforts of others.
Scientist III	Performs professional work in research, using theoretical and experimental investigation in his/hers specific scientific discipline. Develops methodologies to solve problems. A BS degree and a minimum of 10 years experience are required. Familiar with a variety of the field's concepts, practices, and procedures. Responsible for the solution of complex total systems problems. Directs guides and coordinates activities of team/teams of technical personnel performing complex scientific activities.
Scientist IV	Expert in scientific field. May direct major projects requiring integration/coordination across multiple scientific disciplines. Performs professional work in research, using theoretical and experimental investigation in his/hers specific scientific discipline at a level of complexity that requires unique capability. Develops methodologies to solve problems. A BS degree and a minimum of 15 years experience are required. Familiar with a variety of the field's concepts, practices, and procedures. Responsible for the solution of complex total systems problems. May direct and coordinate activities of team/teams of technical personnel performing complex scientific activities.

SLC	SLC Guidelines
Senior Scientist Specialist	Authority in scientific field with national and or international recognition in his/her area of expertise. Responsible for major projects requiring integration/coordination across multiple scientific disciplines. Responsible for professional work in research, using theoretical and experimental investigation in his or her specific scientific discipline at a level of complexity that requires unique capability. Requires a minimum of a BS degree and 17 years of related experience. May direct and coordinate activities for team/teams of technical personnel performing complex scientific activities. Relies on extensive experience and judgment to plan and accomplish goals. Responsible and accountable for the solution of complex total system problems. Directs guides and coordinates activities for team/teams of technical personnel performing complex scientific activities. A wide degree of autonomy, creativity and latitude is expected.
Engineer I	Responsible for design, development, test, implementation, and analysis of technical products and systems. Performs engineering design evaluations. May develop a range of products. Requires a bachelor's degree in Engineering in the field or in a related area. Has knowledge of commonly used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a more senior Engineer, supervisor or a manager.
Engineer II	Responsible for design, development, test, implementation, and analysis of technical products and systems. Performs engineering design evaluations. May develop a range of products. Requires a bachelor's degree in Engineering and a minimum of 5 years of experience in the field or in a related area. Familiar of commonly used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Typically reports to a more senior Engineer, supervisor or a manager. May direct the efforts of others.
Engineer III	Responsible for design, development, test, implementation, and analysis. Recognized as technical leader and resource. Responsible for all internal activities and product development. Requires a minimum of a bachelor's degree in Engineering and normally possess 10 years of related experience. License and certification may be required. Proficient with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplishment goals. Responsible for the solution of complex total system problems. Directs, guides, and coordinates activities of team/teams of technical personnel performing complex engineering activities.

SLC	SLC Guidelines
Engineer IV	Expert in engineering. Responsible for design, development, test, implementation, and analysis. Recognized as technical expert and resource. Responsible for all internal activities and product development. Requires a minimum of a bachelor's degree in Engineering and may be expected to have a related master's degree and normally possess 15 years of related experience. Accomplished in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplishment goals. Responsible for the solution of complex total system problems. Directs, guides, and coordinates activities of team/teams of technical personnel performing complex engineering activities. A wide degree of autonomy, creativity, and latitude is expected. Typically reports to top management.
Senior Engineer Specialist	Authority in engineering. Accountable for design, development, test, implementation, and analysis. Recognized as technical expert and resource in specialized areas of engineering. Recommends alterations and enhancements to improve quality of products and/or procedures. Requires a minimum of a bachelor's degree in Engineering and may be expected to have a related master's or higher degree and normally possess 17 years of related experience. Consummate expert in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Responsible and accountable for the solution of complex total system problems. Directs, guides, and coordinates activities of team/teams of technical personnel performing complex engineering activities. A wide degree of autonomy, creativity, and latitude is expected.
Information Technology (IT) I	Reviews, analyzes, and modifies programming systems including encoding, testing, debugging and installing to support an organization's application systems. Consults with users to identify current operating procedures and to clarify program objectives. Typically requires a bachelor's degree in a related area or experience in the field. Has knowledge of commonly used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision and reports to a supervisor or manager.

SLC	SLC Guidelines
Information Technology (IT) II	Reviews, analyzes, and modifies programming systems including encoding, testing, debugging and installing to support an organization's application systems. Consults with users to identify current operating procedures and to clarify program objectives. Expected to write documentation to describe program development, logic, coding, and corrections. Writes manual for users to describe installation and operating procedures. Typically requires a bachelor's degree in a related area and a minimum of 5 years of experience in the field or in a related area. Familiar with relational databases and client-server concepts. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager. May direct the effort of others.
Information Technology (IT) III	Reviews, analyzes, and modifies programming systems including encoding, testing, debugging and installing to support an organization's application systems. Consults with users to identify current operating procedures and to clarify program objectives. Expected to write documentation to describe program development, logic, coding, and corrections. Writes manual for users to describe installation and operating procedures. Typically requires a bachelor's degree in a related area and normally possess 10 years of experience in the field or in a related area. Must have a working knowledge of relational databases and client-server concepts. Relies on extensive experience and judgment to plan and accomplish goals. Responsible for the solution of complex total systems problems. Directs guides and coordinates activities of team/teams of technical personnel performing complex engineering activities. Typically reports to top management.
Information Technology (IT) IV	Expert in Information Technology. Reviews, analyzes, and modifies programming systems including encoding, testing, debugging and installing to support an organization's application systems. Consults with users to identify current operating procedures and to clarify program objectives. Expected to write documentation to describe program development, logic, coding, and corrections. Writes manual for users to describe installation and operating procedures. Typically requires a bachelor's degree in a related area and normally possess 15 years of experience in the field or in a related area. Must have a working knowledge of relational databases and client-server concepts. Relies on extensive experience and judgment to plan and accomplish goals. Responsible for the solution of complex total systems problems. Directs guides and coordinates activities of team/teams of technical personnel performing complex engineering activities. Typically reports to top management.

SLC	SLC Guidelines
Engineering Technologist I	Assists in the creation of solutions to engineering design problems and technical support to the operation or testing of engineering or manufacturing systems. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under the direction of an engineer or higher level Engineering Technologist. Requires a HS diploma + 5 yrs of experience or BS in Engineering Technology or related field.
Engineering Technologist II	Assists Engineers in the creation of solutions to engineering design problems and technical support to the operation or testing of engineering or manufacturing systems. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Requires a HS diploma + 10 yrs of experience or BS in Engineering Technology or related field and 5 years of experience.
Engineering Technologist III	Assists Engineers in the creation of solutions to engineering design problems and technical support to the operation or testing of engineering or manufacturing systems. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Requires a HS diploma + 15 yrs of experience or BS in Engineering Technology or related field and 10 years of experience.
Senior Engineering Technologist	Assists Engineers in the creation of solutions to complex engineering design problems and technical support to the operation or testing of engineering or manufacturing systems. Accomplished in a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Directs guides and coordinates activities of team/teams of technical personnel performing complex engineering activities. A wide degree of autonomy, creativity and latitude is expected. Creates solutions to engineering design problems and to the operation or testing of engineering or manufacturing systems. Requires a HS diploma + 20 yrs of experience or BS in Engineering Technology or related field and 15 years of experience.
Technician I	Responsible for setting up, checking operational and experimental machinery, circuitry, and equipment. Follows pre-established guidelines, procedures and engineering specifications. Requires a high school degree or its equivalent. Has knowledge of commonly used concepts, practices, and procedures within a particular field. Relies on instructions to perform the functions of the job. Works under immediate supervision. Typically reports to a supervisor or manager.

SLC	SLC Guidelines
Technician II	Responsible for setting up, checking and correcting operational and experimental machinery, circuitry, and equipment. Highly skilled and able to follow pre-established guidelines, procedures and engineering specifications. Requires a high school degree or its equivalent and a minimum of 4 years experience in a field or in a related area. Proficient in the use of standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under minimal supervision. Typically reports to a supervisor or manager.
Technician III	Responsible for setting up, checking and correcting operational and experimental machinery, circuitry, and equipment. Follows pre-established guidelines, procedures and engineering specifications. Requires a high school degree or its equivalent and normally possess a 12 years experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Performs highly skilled work at the advanced level. May instruct, lead, and direct the work of others. Typically reports to a supervisor or manager.
Technician Specialist	Possesses extensive and detailed knowledge of specific testing or operational processes employed in applicable areas. Has demonstrated capability to apply technical knowledge to solve new problems that require innovative approaches and skills normally achieved only through long experience. Interfaces with engineers and/or scientists at all levels to develop operational and experimental machinery, circuitry, and equipment. Works with and provides technical guidance for lower level technicians. Typically requires a high school degree or its equivalent and 15 years of experience in the field or related area and may require additional experience or education in one of the physical sciences directly applicable to the tasks performed. May instruct lead and direct the work of others. Typically reports to a supervisor or manager.
Business Specialist I	Prepares contract proposals and administers major contracts and delivery orders. Also, may negotiate contractual provisions with potential partners. Typically requires a bachelor's degree in a related area and normally possess 3 years of work experience. Has knowledge of standard concepts, practices, and procedures within the Business field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a manager.

SLC	SLC Guidelines
Business Specialist II	Coordinates and monitors the scheduling, pricing, and technical performance of programs. Responsibilities also include aiding in the negotiation of contracts and contractual changes and coordination preparations of proposals, plans, specifications, and financial conditions of contracts. Ensures adherence to master plans and schedules and develops solutions to program problems. Typically requires a bachelor's degree and a minimum of 5 years of experience in a field or in a related area Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required. Typically reports to a manager or Program Manager. May direct the efforts of others.
Business Specialist III	Provides a wide-variety of high level professional support to the contract in one or more areas such as finance, procurement, accounting, human resources, contract management or other areas of contract. Is considered an expert in standard concepts, practices, and procedures within their field of expertise. This level frequently requires the use of problem solving skills to resolve complex issues that do not fall into standard operating procedures. Relies on experience and judgment to plan and accomplish goals. Must be able to prioritize and independently manage multiple tasks simultaneously. May serve as the lead for a particular area or provide direction to lower level Business Specialists. Typically requires a bachelor's degree in a related field and 10 years of experience.
Administration Specialist I	Responsible for performing daily office tasks such as filing, recording, maintaining records, copying, posting, and other similar duties, using a computer terminal, and other word processors. Follows organization and department procedures to complete tasks in a timely manner. Requires a high school diploma or its equivalent. Familiar with standard concepts, practices, and procedures within a particular field. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager.

SLC	SLC Guidelines
Administration Specialist II	Responsible for performing daily office tasks such as filing, recording, maintaining records, copying, posting, and other similar duties, using a computer terminal, and other word processors. Follows organization and department procedures to complete tasks in a highly skilled and timely manner. Requires a high school diploma or its equivalent and a minimum of 4 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager.
Administration Specialist III	Responsible for performing daily office tasks such as filing, recording, maintaining records, copying, posting, and other similar duties, using a computer terminal, and other word processors. Follows organization and department procedures to complete tasks in a highly skilled and timely manner. Requires a high school diploma or its equivalent and a minimum of 8 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager.
Project Controls Specialist I	Perform project controls support for engineering, design and delivery projects. Assist in the development and maintenance of project schedules for multiple projects. Assist in implementing standard project management practices to support good schedule, project management and reporting processes across multiple areas. Assist in preparing monthly contract management summary reports and monthly estimates at completion (EAC). Participate in audits, both internal and external. Typically performs tasks under the direction of higher level Project Controls Specialists. Typically requires a bachelor's degree in related field and 0-2 years of experience.
Projects Controls Specialist II	Perform project controls for small to medium engineering, design and delivery projects. Develop and maintain project schedules for multiple projects. Assist in implementing standard project management practices to support good schedule, project management and reporting processes across multiple areas. Assist in preparing monthly contract management summary reports, monthly estimates, and estimate at completion (EAC) reports. Participate in audits, both internal and external. Typically requires a bachelor's degree in related field and 5 years of experience.

SLC	SLC Guidelines
Projects Controls Specialist III	Perform as project controls support for large/high visibility engineering, design & delivery projects. Develop and maintain project schedules for multiple projects. Implements standard project management practices to support good schedule, project management and reporting processes across multiple areas. Assist in preparing monthly contract management summary reports, monthly estimates, and estimate at completion reports. Participate in audits, both internal and external. Act as a mentor for other Project Controls Specialist with less experience. Typically requires a bachelor's degree in related field and 10 years of project experience in project controls.
Planner/Scheduler I	Responsible for reviewing, planning, estimating, and coordinating the efficient execution of manufacturing or maintenance work requests using project management software. Must be familiar with standard concepts, practices, and procedures within the manufacturing or maintenance field. Must perform a variety of tasks requiring precise attention to detail, excellent communication and computer skills, and the ability to read and interpret engineering drawings. Must follow organizational and departmental procedures to complete tasks in a safe and timely manner. Must be familiar with work control applications and processes being utilized on the contract. Typically works under the direction of a higher level Planner/Scheduler or works on small to medium sized projects. Requires a High school Diploma and a minimum of 2 years of experience.
Planner/Scheduler II	Responsible for reviewing, planning, estimating, and coordinating the efficient execution of manufacturing or maintenance work requests using project management software. Must be familiar with standard concepts, practices, and procedures within the manufacturing or maintenance field. Must perform a variety of tasks requiring precise attention to detail, excellent communication and computer skills, and the ability to read and interpret engineering drawings. Must follow organizational and departmental procedures to complete tasks in a safe and timely manner. Requires a High School Diploma and a minimum of 7 yrs of experience.

SLC	SLC Guidelines
Planner/Scheduler III	Responsible for reviewing, planning, estimating, and coordinating the efficient execution of manufacturing or maintenance work requests using project management software. Must be proficient with standard concepts, practices, and procedures within the manufacturing or maintenance field. Must perform a variety of tasks requiring precise attention to detail, excellent communication and computer skills, and the ability to read and interpret engineering drawings. Must follow organizational and departmental procedures to complete tasks in a safe and timely manner. Typically works larger, more complex manufacturing projects. May be required to perform leadership functions such as directing personnel in assigned tasks, provide customer level briefings. Requires a High School Diploma and a minimum of 12 yrs of experience.
Configuration Management Specialist I	Establishes, implements, and verifies compliance to NASA configuration management policies, requirements, and procedures. Prepares configuration management documentation. Establishes and maintains all systems for configuration identification, control, verification, and accounting. Monitors and audits other program elements and contractors adherence to configuration management requirements and procedures. Typically requires a Bachelors Degree.
Configuration Management Specialist II	Establishes, implements, and verifies compliance to NASA configuration management policies, requirements, and procedures. Prepares configuration management documentation. Establishes and maintains all systems for configuration identification, control, verification, and accounting. Monitors and audits other program elements and contractors adherence to configuration management requirements and procedures. Typically requires a Bachelors Degree and 5 years of experience.
Quality Assurance Specialist I	Performs receiving inspection on pre-manufacturing stock, test articles, and test support equipment. Witnesses Mandatory Inspection Points, Performs visual and nondestructive evaluation (NDSE) inspections for welded hardware. Documents discrepancies for facilities and hardware. Witnesses' assembly of hardware and facility/test buildup. Witnesses/verifies technician workmanship. Witnesses' test build-up configuration and tests. Verifies contamination control requirements. Accurately reads engineering drawings. Adheres to all published safety procedures. Typically requires minimum of 2 years experience in process control and laboratory operations.

SLC	SLC Guidelines
Quality Assurance Specialist II	Develops, applies, revises, and maintains quality standards for in process and final inspection. Performs receiving inspection on pre-manufacturing stock, test articles, and test support equipment. Performs dimensional and physical inspection on precision measuring equipment. Witnesses Mandatory Inspection Points, documents nondestructive evaluation (NDSE) inspections for flight and flight-like hardware. Documents discrepancies for facilities and hardware. Witnesses' assembly of hardware and facility/test buildup. Witnesses/verifies technician workmanship. Witnesses' test build-up configuration and tests. Verifies contamination control requirements. Accurately reads engineering drawings. Adheres to all published safety procedures. Typically requires minimum of 5 years experience in process control and laboratory operations
Product Assurance Manager	Experience in Reliability, Maintainability, System Safety and Quality Assurance. Familiar with a variety of accepted quality assurance concepts, practices, and procedures. Responsible for Quality Management System. Develops, implements, and manages Quality plans, Reliability and Maintainability plans, programs, and policies. Relies on experience and judgment to plan and accomplish goals. Assures appropriate inspection and resources in facilities and laboratories. Performs a variety of complicated tasks. Requires a bachelor's degree and 10 or more years of experience.
Safety Manager	Familiar with a variety of accepted safety concepts, practices and procedures. Develops, implements, and manages Safety plans, programs, and policies. Responsible for maintenance of safety/accident records. Relies on experience and judgment to plan and accomplish goals. Assures safety coverage in facilities and laboratories. Familiar with OSHA requirements of 29 CFR 1910 and 1926. Requires a bachelor's degree in engineering or science. Requires Certified Safety Professional or minimum of 10 years experience in the safety profession and minimum of 3 years experience in a supervisory capacity.
Safety Engineer I	Familiar with a variety of accepted safety concepts, practices and procedures. Maintains safe operations in facilities and laboratories. Familiar with applicable OSHA rules and regulations. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree, and 5+ years of experience.
Safety Engineer II	Familiar with a variety of accepted safety concepts, practices, and procedures. Maintains safe operations in facilities and laboratories. Familiar with applicable OSHA rules and regulations. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree, and 10+ years of experience. Prefer Certified Safety Professional (CSP) certification.

SLC	SLC Guidelines
Safety Engineer III	Familiar with a variety of accepted safety concepts, practices, and procedures. Maintains safe operations in facilities and laboratories. Familiar with applicable OSHA rules and regulations. Abides by and enforces adherence to published safety procedures. Deals with the most complex safety situations and works to establish policies and procedures in the area of contract safety. May direct the activities of lower level safety engineers. Requires a bachelor's degree, and 15+ years of experience. Prefer CSP certification.
Quality Engineer I	Assures the quality of products. Evaluates technical documents such as drawings and specifications for adequate quality requirements and in-process controls. Performs flight equipment acceptance reviews. Prepares test readiness review documentation and identifies hardware pre-test status. Approves work authorization documents and establishes mandatory inspection points. Provides inputs to milestone reviews and boards. Assists Quality Assurance Specialists. Evaluates discrepancy reports and concurs on Material Review Board decisions. Evaluates engineering changes and waivers for quality assurance impacts. Perform trend analysis of nonconformances and prepares reports. Evaluates inspection and test methods, tools, instruments, and processes for effectiveness. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree in appropriate field of engineering with a minimum of 1 year experience.
Quality Engineer II	Assures the quality of products. Evaluates technical documents such as drawings and specifications for adequate quality requirements and in-process controls. Performs flight equipment acceptance reviews. Prepares test readiness review documentation and identifies hardware pre-test status. Approves work authorization documents and establishes mandatory inspection points. Provides inputs to milestone reviews and boards. Assists Quality Assurance Specialists. Evaluates discrepancy reports and concurs on Material Review Board decisions. Evaluates engineering changes and waivers for quality assurance impacts. Perform trend analysis of nonconformances and prepares reports. Evaluates inspection and test methods, tools, instruments, and processes for effectiveness. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree in appropriate field of engineering and 5+ year of experience.

SLC	SLC Guidelines
Quality Engineer III	Assures the quality of products. Evaluates technical documents such as drawings and specifications for adequate quality requirements and in-process controls. Performs flight equipment acceptance reviews. Prepares test readiness review documentation and identifies hardware pre-test status. Approves work authorization documents and establishes mandatory inspection points. Provides inputs to milestone reviews and boards. Assists Quality Assurance Specialists. Evaluates discrepancy reports and concurs on Material Review Board decisions. Evaluates engineering changes and waivers for quality assurance impacts. Perform trend analysis of nonconformances and prepares reports. Evaluates inspection and test methods, tools, instruments, and processes for effectiveness. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree in appropriate field of engineering and 10+ years of experience. Prefer Certified Quality Engineer (CQE) designation.
Software Quality Assurance Engineer I	Develops, publishes, and implements test plans and procedures from a Software Quality Assurance viewpoint. Develops quality assurance standards. Assists in the review process of procedures for all phases of the software quality assurance program and provides assistance to projects through the development lifecycle. Reviews software documentation, writes dispositions, and assists in resolving software and quality issues. Participates in the project develop design reviews. Assists in the development, documentation, and review of the hardware/software interface definitions. Assists in the solution of software and system problems. Defines and tracks quality assurance metrics such as defect densities and open defect counts. Maintains working knowledge of the Software Development Life Cycle and quality assurance methodologies. Requires previous experience in software/hardware integration and life cycle testing. Requires coding experience in a higher level programming language. Knowledgeable of SEI CMMI is required. Requires Bachelors Degree in Engineering, Mathematics, or Computer Science. A minimum of 3 + years related working experience is required.

SLC	SLC Guidelines
Software Quality Assurance Engineer II	Develops, publishes, and implements test plans and procedures from a Software Quality Assurance viewpoint. Develops quality assurance standards. Assists in the review process for procedures for all phases of the software quality assurance program and provides assistance to projects through the development lifecycle. Reviews software documentation, writes dispositions, and assists in resolving software and quality issues. Participates in the project develop design reviews. Assists in the development, documentation, and review of the hardware/software interface definitions. Assists in the solution of software and system problems. Defines and tracks quality assurance metrics such as defect densities and open defect counts. Maintains working knowledge of the Software Development Life Cycle and quality assurance methodologies. Requires previous experience in software/hardware integration and life cycle testing. Requires coding experience in a higher level programming language. Previous experience in Software Quality Assurance is desired. Knowledgeable of SEI CMMI is desired. Requires Bachelors Degree in Engineering, Mathematics, or Computer Science, related field. Requires 5+ years or related experience.
Software Quality Assurance Engineer III	Develops, publishes, and implements test plans and procedures from a Software Quality Assurance viewpoint. Assists in the review process of procedures for all phases of the software quality assurance program and provides assistance to projects through the development lifecycle. Reviews software documentation, writes dispositions, and assists in resolving software and quality issues. Participates in the project develop design reviews. Assists in the development, documentation, and review of the hardware/software interface definitions. Assists in the solution of software and system problems. Defines and tracks quality assurance metrics such as defect densities and open defect counts. Maintains working knowledge of the Software Development Life Cycle and quality assurance methodologies. Performs Independent Validation & Verification of software products. Requires previous experience in software/hardware integration and life cycle testing. Requires coding experience in a higher level programming language. Previous experience in Software Quality Assurance is desired. Knowledgeable of SEI CMMI is desired. Requires bachelor's degree in Engineering, Mathematics, Computer Science, related field. Requires 10+ years of related experience.

SLC	SLC Guidelines
Software Quality Assurance Engineer IV	Considered and expert in Software Quality Assurance. Develops, publishes, and implements test plans and procedures from a Software Quality Assurance viewpoint. Assists in the review process of procedures for all phases of the software quality assurance program and provides assistance to projects through the development lifecycle. Reviews software documentation, writes dispositions, and assists in resolving software and quality issues. Participates in the project develop design reviews. Assists in the development, documentation, and review of the hardware/software interface definitions. Assists in the solution of software and system problems. Defines and tracks quality assurance metrics such as defect densities and open defect counts. Maintains working knowledge of the Software Development Life Cycle and quality assurance methodologies. Performs Independent Validation & Verification of software products. May provide leadership to other lower-level software quality assurance engineers. Requires previous experience in software/hardware integration and life cycle testing. Requires coding experience in a higher level programming language. Previous experience in Software Quality Assurance is desired. Knowledgeable of SEI CMMI is desired. Requires bachelor's degree in Engineering, Mathematics, Computer Science, related field. Requires 15 years of related experience.

EXAMPLES OF MAPPING SKILLS INTO SLCs

The skills below are provided only as examples of how certain labor categories proposed by the offeror may fit into the SLCs identified by the Government.

Scientist
Chemist, Physicist, Materials Scientist, Metallurgist, etc.

Technician
Materials testing, mechanical, chemical, metallurgical, vacuum, electrical, etc.

Information Technology
Data Acquisition and Control Programmer, Database Administrator, Modeler, etc.

Business Specialist
Procurement Clerk, Accounts Payable Clerk, Budget Analyst, Financial Analyst, Cost Accountant etc.

Engineer
Mechanical, electrical, aerospace, chemical, metallurgical, materials, civil, etc.

Administration Specialist
Secretary, Clerk, Office Administration Specialist, Technical Editor, etc.

Additional SLCs Proposed for JETS	
SLC	**SLC Guidelines**
Quality Engineer IV	Expert in quality engineering. Assures the quality of products. Recognized as technical expert and resource. Evaluates technical documents such as drawings and specifications for adequate quality requirements and in-process controls. Performs flight equipment acceptance reviews. Prepares test readiness review documentation and identifies hardware pre-test status. Approves work authorization documents and establishes mandatory inspection points. Provides inputs to milestone reviews and boards. Assists Quality Assurance Specialists. Evaluates discrepancy reports and concurs on Material Review Board decisions. Evaluates engineering changes and waivers for quality assurance impacts. Performs trend analysis of nonconformances and prepares reports. Evaluates inspection and test methods, tools, instruments, and processes for effectiveness. Abides by and enforces adherence to published safety procedures. Proficient with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Directs guides and coordinates activities of a group of QE personnel performing coverage across several Divisions. Requires a bachelor's degree from an accredited university in appropriate field of Engineering and 14 years experience. Prefer Certified Quality Engineer (CQE) designation.
Software Quality Assurance Manager	Manages a team of SQA engineers to perform the following SQA tasks. Develops, publishes, and implements test plans and procedures from a Software Quality Assurance viewpoint. Develops quality assurance standards. Assists in the review process for procedures for all phases of the software quality assurance program and provides assistance to projects throughout the development lifecycle. Reviews software documentation, writes dispositions, and works within the team to assist in resolving software and quality issues. Participates in the project development design reviews. Assists in the development, documentation, and review of the hardware/software interface definitions. Oversees the Independent Validation & Verification of software products. Assists in the solution of software and system problems. Defines and tracks quality assurance metrics such as defect densities and open defects counts. Maintains working knowledge of the Software Development Life Cycle and quality assurance methodologies. Generally manages a group of SQA Engineers. Requires a bachelor's degree from an accredited university in Engineering, Mathematics, Computer Science or a related filed and 15 years related working experience, including experience in software/hardware integration and lifecycle testing, coding experience in a higher level programming language such as C, C++, or Java, and must be familiar with NT, UNIX, and/or Solaris environments.
Safety Engineer IV	Familiar with a variety of accepted safety concepts, practices, and procedures. Maintains safe operations in facilities and laboratories. Familiar with applicable OSHA rules and regulations. Abides by and enforces adherence to published safety procedures. Requires a bachelor's degree from an accredited university in a related field and 14 years experience. Prefer CSP certification.