

GENERAL SERVICES ADMINISTRATION

Federal Supply Service Authorized Federal Supply Schedule Price List

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Professional Engineering Services (PES) Schedule FSC Group 87, FSC Class 871

Contract number: #GS-23F-0123K

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Contract period: March 3, 2010 through March 1, 2015

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Business size: Small Business

Pricelist is Current through Amendment A344
Dated February 27, 2014



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INTRODUCTION

EOIR Technologies, Inc. has been providing quality professional engineering services to Government customers for 20 years. Our support spans the full range of engineering services from design, fabrications, simulations, to test and evaluation. EOIR s (Electro-Optical, InfraRed) focus has been on sensor sciences and image processing to include geosciences and remote sensing, electro-optics, electromagnetic compatibility, and instrumentation and measurements. As sensor complexity and applications increased, EOIR expanded its technical services to address the growing needs of the community. Many mechanical engineering tasks were supported to include design engineering, use of internal combustion engines, fuels and combustion technologies, information storage and processing systems, fluids power systems and technology system, safety engineering and risk analysis, and electrical and electronic packaging.

Corporate Experience

Sensor Design and Prototyping of Electro-Optics. EOIR has the knowledge, understanding and experience in the advanced engineering and physics associated with sensor design and prototyping. Our technical services in this area range from advanced Focal Plane Array Detector research to the development of actual working prototype sensor systems.

Data Acquisition and Analysis. From Ultra-Violet (UV) to Long Wave Infrared LWIR), EOIR has extensive experience in providing data acquisition and analysis services and products for unique customer requirements. Many of our recent data acquisition efforts have required custom software coding for the remoting of sensor operation and high-speed data capture via wireless links. Data analysis services range from advanced image processing using EOIR s WinProc™ image processing tool to custom software applications to analyze spectral data.

Sensor Evaluation and Calibration. EOIR Technologies performs sensor evaluation and calibration services for both imaging and non-imaging sensor systems. We have extensive experience conducting laboratory tests for a variety of thermal imagers. For non-imaging sensors our technical evaluation and calibration services include characterizing the sensor's spectral, spatial, and temporal performance.

Modeling and Simulation. EOIR develops customized sensor simulation programs to meet a variety of unique customer requirements. We have significant experience working with a wide range of software programs and computer platforms. Our simulation support services range from evaluating constructive (mission and campaign level) models to developing virtual submersive environments.

Advanced Field Collections and Range Automation. EOIR Technologies has been a longstanding leader in providing advanced E-O field collection services to include measurements and operation of electrical devices, equipment and systems. Our services include spectral and spatial ground truthing, meteorological geoscience instrumentation, test plan design and implementation, spectral target fabrication and test reporting. Range Automation and Instrumentation is a natural extension of our advanced field collection services. We have developed a variety of range automation tools to include custom hardware and software products, vehicle locating systems using differential GPS as well as range monitoring and video systems.

Sensor Integration and Rapid Prototyping. Eventually all sensor prototypes need to be integrated into larger mature systems. EOIR has the mechanical and electrical design experience to take laboratory prototypes and integrate them into existing systems. Analytical software tools permit EOIR to do complex computer aided design and finite element analysis prior to any actual fabrication. We also possess the capability to actually modify or fabricate metals and machinery to fashion prototypes and produce limited production items.

Computer Based Trainers and Simulators. EOIR has created a wide range of interactive multimedia courseware products that can be distributed via the Web or on CD-ROM. These computer based trainers and simulators are crafted to incorporate a variety of learning curriculums and individually tailored to the unique needs of the targeted students. Advanced techniques of interactive multimedia instruction include animated graphics, active video with audio sound tracks, 3-D views and photo realistic simulations.

EOIR's extensive experience in system design, engineering and integration and in test and evaluation has been focused in the electrical and mechanical engineering skills. The majority of the 130+ employees, which comprise EOIR, are engineers, physicists, scientists, information specialists and statistical mathematicians.

CUSTOMER INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

Price Format for Options GS-23F-0123K, EOIR TECHNOLOGIES, INC.					
SINs and PEDs	Contractor Site and Government Site Hourly Prices				
	Option 2				
SINs 871-3 & 871-4	Year 11	Year 12	Year 13	Year 14	Year 15
871-3RC & 871-4RC	3/3/2010	3/2/2011	3/2/2012	3/2/2013	3/2/2014
PEDs: EE, ME	to	to	to	to	to
Labor Categories	3/1/2011	3/1/2012	3/1/2013	3/1/2014	3/1/2015
Senior Project Manager	\$108.57	\$111.83	\$115.18	\$118.64	\$122.20
Project Manager	\$100.21	\$103.22	\$106.32	\$109.51	\$112.80
Program Manager II	\$148.39	\$152.84	\$157.43	\$162.15	\$167.01
Program Manager I	\$124.06	\$127.78	\$131.61	\$135.56	\$139.63
Principal Engineer I	\$148.39	\$152.84	\$157.43	\$162.15	\$167.01
Principal Engineer	\$115.78	\$119.25	\$122.83	\$126.51	\$130.31
Principal Scientist I	\$148.39	\$152.84	\$157.43	\$162.15	\$167.01
Principal Scientist	\$114.87	\$118.32	\$121.87	\$125.53	\$129.30
Principal Physicist	\$107.14	\$110.35	\$113.66	\$117.07	\$120.58
Engineering Psychologist/Human Factors Engineer	\$108.08	\$111.32	\$114.66	\$118.10	\$121.64
Senior Statistician	\$108.35	\$111.60	\$114.95	\$118.40	\$121.95
Principal Mathematician	\$91.00	\$93.73	\$96.54	\$99.44	\$102.42
Senior Engineer/Senior Scientist	\$129.97	\$133.87	\$137.89	\$142.03	\$146.29
Engineer/Scientist Specialist	\$92.25	\$95.02	\$97.87	\$100.81	\$103.83
Mid Engineer/Scientist	\$83.92	\$86.44	\$89.03	\$91.70	\$94.45
Junior Engineer/Scientist I	\$64.42	\$66.35	\$68.34	\$70.39	\$72.50
Junior Engineer/Scientist	\$60.66	\$62.48	\$64.35	\$66.28	\$68.27
Senior Engineer/Scientist I	\$132.08	\$136.04	\$140.12	\$144.32	\$148.65
Senior Engineer/Scientist	\$90.17	\$92.88	\$95.67	\$98.54	\$101.50
Engineer/Scientist I	\$117.38	\$120.90	\$124.53	\$128.27	\$132.12
Engineer/Scientist	\$61.76	\$63.61	\$65.52	\$67.49	\$69.51
Senior Engineering Technologist	\$92.43	\$95.20	\$98.06	\$101.00	\$104.03
Software Engineer	\$76.92	\$79.23	\$81.61	\$84.06	\$86.58
Senior Engineer	\$91.22	\$93.96	\$96.78	\$99.68	\$102.67
Engineer	\$55.99	\$57.67	\$59.40	\$61.18	\$63.02
Junior Engineer	\$37.12	\$38.23	\$39.38	\$40.56	\$41.78
Senior Project Engineer I	\$74.51	\$76.75	\$79.05	\$81.42	\$83.86
Senior Project Engineer II	\$55.83	\$57.50	\$59.23	\$61.01	\$62.84
Principal Analyst / Engineer II	\$125.01	\$128.76	\$132.62	\$136.60	\$140.70
Principal Analyst / Engineer I	\$114.52	\$117.96	\$121.50	\$125.15	\$128.90
Principal Analyst / Engineer	\$108.40	\$111.65	\$115.00	\$118.45	\$122.00

Systems/Program Analyst I	\$86.37	\$88.96	\$91.63	\$94.38	\$97.21
Systems/Program Analyst	\$84.10	\$86.62	\$89.22	\$91.90	\$94.66
Senior Analyst / Engineer	\$78.09	\$80.43	\$82.84	\$85.33	\$87.89
Lead Analyst / Engineer	\$51.87	\$53.43	\$55.03	\$56.68	\$58.38
Analyst / Engineer	\$47.23	\$48.65	\$50.11	\$51.61	\$53.16
Data Analyst	\$42.03	\$43.29	\$44.59	\$45.93	\$47.31
Data Specialist	\$39.82	\$41.01	\$42.24	\$43.51	\$44.82
Principal Computer Specialist	\$109.44	\$112.72	\$116.10	\$119.58	\$123.17
Principal Computer Specialist II	\$129.48	\$133.36	\$137.36	\$141.48	\$145.72
Principal Computer Specialist I	\$117.86	\$121.40	\$125.04	\$128.79	\$132.65
Senior Computer Scientist	\$76.04	\$78.32	\$80.67	\$83.09	\$85.58
Senior Computer Scientist I	\$97.35	\$100.27	\$103.28	\$106.38	\$109.57
Senior Programmer/Computer Analyst II	\$83.99	\$86.51	\$89.11	\$91.78	\$94.53
Senior Programmer/Computer Analyst I	\$55.55	\$57.22	\$58.94	\$60.71	\$62.53
Program / Systems Analyst	\$53.37	\$54.97	\$56.62	\$58.32	\$60.07
Program / Analyst - Applications	\$50.94	\$52.47	\$54.04	\$55.66	\$57.33
Programmer	\$41.02	\$42.25	\$43.52	\$44.83	\$46.17
Jr. Programmer	\$42.84	\$44.13	\$45.45	\$46.81	\$48.21
Computer Operator I	\$41.52	\$42.77	\$44.05	\$45.37	\$46.73
Computer Operator	\$26.08	\$26.86	\$27.67	\$28.50	\$29.36
Configuration Management Data Specialist	\$45.32	\$46.68	\$48.08	\$49.52	\$51.01
Production Control Specialist	\$25.26	\$26.02	\$26.80	\$27.60	\$28.43
Data Entry Clerk	\$21.79	\$22.44	\$23.11	\$23.80	\$24.51
Senior Electrical Engineer	\$93.43	\$96.23	\$99.12	\$102.09	\$105.15
Electrical Engineer	\$61.88	\$63.74	\$65.65	\$67.62	\$69.65
Junior Electrical Engineer	\$60.40	\$62.21	\$64.08	\$66.00	\$67.98
Senior Mechanical Engineer	\$81.08	\$83.51	\$86.02	\$88.60	\$91.26
Junior Mechanical Engineer	\$54.86	\$56.51	\$58.21	\$59.96	\$61.76
CAD Operator	\$76.46	\$78.75	\$81.11	\$83.54	\$86.05
Principal Technician	\$60.70	\$62.52	\$64.40	\$66.33	\$68.32
Technician I	\$76.12	\$78.40	\$80.75	\$83.17	\$85.67
Technician	\$53.22	\$54.82	\$56.46	\$58.15	\$59.89
Senior Electronics Technician	\$61.76	\$63.61	\$65.52	\$67.49	\$69.51
Electrician Maintenance	\$44.58	\$45.92	\$47.30	\$48.72	\$50.18
Electronic Technician III	\$43.07	\$44.36	\$45.69	\$47.06	\$48.47
Electronic Technician II	\$33.90	\$34.92	\$35.97	\$37.05	\$38.16
Electronic Technician I	\$30.84	\$31.77	\$32.72	\$33.70	\$34.71
Mechanical Technician V	\$62.98	\$64.87	\$66.82	\$68.82	\$70.88
Mechanical Technician IV	\$52.49	\$54.06	\$55.68	\$57.35	\$59.07
Mechanical Technician III	\$39.55	\$40.74	\$41.96	\$43.22	\$44.52
Mechanical Technician II	\$29.50	\$30.39	\$31.30	\$32.24	\$33.21
Mechanical Technician I	\$25.45	\$26.21	\$27.00	\$27.81	\$28.64
Photo-Optics Technician III	\$45.09	\$46.44	\$47.83	\$49.26	\$50.74
Photo-Optics Technician II	\$35.23	\$36.29	\$37.38	\$38.50	\$39.66
Photo-Optics Technician I	\$32.56	\$33.54	\$34.55	\$35.59	\$36.66
Machinist III	\$71.34	\$73.48	\$75.68	\$77.95	\$80.29
Machinist II	\$62.54	\$64.42	\$66.35	\$68.34	\$70.39
Machinist I	\$44.94	\$46.29	\$47.68	\$49.11	\$50.58

Machinist	\$41.12	\$42.35	\$43.62	\$44.93	\$46.28
Draftsman	\$35.10	\$36.15	\$37.23	\$38.35	\$39.50
Curriculum Developer II	\$61.78	\$63.63	\$65.54	\$67.51	\$69.54
Curriculum Developer I	\$50.41	\$51.92	\$53.48	\$55.08	\$56.73
Training Specialist I	\$84.02	\$86.54	\$89.14	\$91.81	\$94.56
Training Specialist	\$76.89	\$79.20	\$81.58	\$84.03	\$86.55
Test Coordinator/Facility Manager II	\$98.84	\$101.81	\$104.86	\$108.01	\$111.25
Test Coordinator/Facility Manager I	\$84.50	\$87.04	\$89.65	\$92.34	\$95.11
Test Coordinator/Facility Manager	\$66.79	\$68.79	\$70.85	\$72.98	\$75.17
Senior Technical Writer II	\$83.03	\$85.52	\$88.09	\$90.73	\$93.45
Senior Technical Writer I	\$66.52	\$68.52	\$70.58	\$72.70	\$74.88
Senior Technical Writer	\$55.76	\$57.43	\$59.15	\$60.92	\$62.75
Technical Writer / Editor	\$42.30	\$43.57	\$44.88	\$46.23	\$47.62
Technical Assistant	\$45.30	\$46.66	\$48.06	\$49.50	\$50.99
Graphic Artist I	\$70.67	\$72.79	\$74.97	\$77.22	\$79.54
Graphic Artist	\$37.71	\$38.84	\$40.01	\$41.21	\$42.45
Illustrator, Scientific	\$34.51	\$35.55	\$36.62	\$37.72	\$38.85
Office Administrator	\$37.85	\$38.99	\$40.16	\$41.36	\$42.60
Clerical	\$23.72	\$24.43	\$25.16	\$25.91	\$26.69
Financial/Budget Analyst II	\$66.80	\$68.80	\$70.86	\$72.99	\$75.18
Financial/Budget Analyst I	\$57.27	\$58.99	\$60.76	\$62.58	\$64.46
Jr. Imagery Analyst	\$66.06	\$68.04	\$70.08	\$72.18	\$74.35
Imagery Analyst	\$83.18	\$85.68	\$88.25	\$90.90	\$93.63
Sr. Imagery Analyst	\$97.86	\$100.80	\$103.82	\$106.93	\$110.14
Imagery Scientist	\$99.09	\$102.06	\$105.12	\$108.27	\$111.52
Sr. Imagery Scientist	\$126.00	\$129.78	\$133.67	\$137.68	\$141.81
Spectral Scientist	\$117.44	\$120.96	\$124.59	\$128.33	\$132.18
Sr Spectral Scientist	\$146.80	\$151.20	\$155.74	\$160.41	\$165.22
Principal Spectral Scientist	\$157.81	\$162.54	\$167.42	\$172.44	\$177.61
Prices include an Industrial Funding Fee (IFF) of .75% and annual escalation of 3%.					

1b. Identification of the lowest price model number and lowest unit price for that model for each special item number awarded in the contract.

The lowest unit price for SINS 871-3, 871-4, 871-3 RC, and 871-4 RC for years 11 – 15 of this contract are detailed in the above matrix.

1c. Description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services.

PROJECT MANAGEMENT QUALIFICATIONS

PROGRAM MANAGER II

Education and Experience

A minimum of a Bachelor of Science Degree/Master of Science (or ten (10) years experience will substitute for degree). Additional experience must include a minimum of ten (10) years experience in Research and Development with five (5) years experience in program/project management. Thorough knowledge and experience in requirements definition, work planning, budget control, communication methods and procedures required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Program Manager I* as well as:

- Leads and mentors personnel assigned to program support functions.
- Coordinates a much larger and complex program than *Project Manager I*.

PROGRAM MANAGER I

Education and Experience

A minimum of a Bachelor of Science Degree (or five (5) years experience will substitute for degree). Additional experience must include a minimum of eight (8) years experience in Research and Development with five (5) years experience in program/project management. Education and experience must demonstrate an ability to plan, direct and coordinate administrative activities, program control and supervision of personnel involved in Management support provided under this contract. Thorough knowledge and experience in requirements definition, work planning, budget control, communication methods and procedures required.

Functions/Responsibilities (includes one or more of the following)

- Interfaces with internal functional teams and external customers for planning, prioritization and issue resolution of overall activities in the support and achievement of customer goals.
- Interacts with and advises customers by applying specific program knowledge and/or subject matter expertise in the execution of routine and non-routine tasks.

- Interacts and provides management or business assessments to customers, through the application of specific program knowledge and subject matter expertise, in the execution of program management tasks.
- Interfaces with other professionals to generate program documentation such as plans, schedules, briefings, reports, correspondence, contracts/ contract modifications, technical instructions/ procedures and/or related material.
- Analyzes and tracks project budgets, schedules and deliverables, conduct research into specific areas, prepares and reports findings to the customer.
- Creates and maintains master files/schedules related to program history, execution and status for the life of the program (inception to disposal).
- Reviews, analyzes, provide comments and provides assessments of technical and non-technical program reports; researches specific areas of interest and prepares findings.
- Interfaces with internal and external principal program participants for planning, prioritization and resolution of overall activities to support customer goals.

SENIOR PROJECT MANAGER

Education and Experience

A minimum of a Bachelors Degree and minimum of six (6) years of management related experience is required. A minimum of five (5) years experience with related scientific and technical programs and systems is essential. The necessary experience includes application of systems engineering management techniques and concepts. Thorough knowledge and experience in requirements definition, work planning, budget control, communication methods and procedures required. The Sr. Project Manager must be able to understand the program requirements of the type tasks to be performed, be able to review and evaluate all work performed, provide direction and ensure compliance with all management policies.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Project Manager* as well as:

- Reviews and evaluates performance of assigned program tasks in terms of quality, cost control and program schedules.
- Ensures compliance with all management policies.

PROJECT MANAGER

Education and Experience

A minimum of a Bachelor of Science Degree in engineering, computer science, mathematics or the physical sciences. Additional experience must include a minimum of five (5) years experience in research and development with three (3) years experience in program/project management on basic systems. Thorough knowledge and experience in requirements definition, work planning, budget control, communication methods and procedures required.

Functions/Responsibilities (includes one or more of the following)

- Defines project requirements.
- Directs, coordinates and exercises supervisory authority for planning, organizing, controlling, integrating and completing engineering or technically related projects.
- Develops and establishes procedures and guidelines for daily operation of assigned project.
- Executes and implements program directives and develops systems and controls to carry out program tasks.
- Determines work schedules, sets priorities, and implements procedures for performing work activities.
- Directs and monitors work results for meeting customer requirements, specifications, and quality assurance standards.

SENIOR ANALYST QUALIFICATIONS

PRINCIPAL ENGINEER I

Education and Experience

A minimum of a Ph.D. Degree in an engineering field (MS Degree plus five (5) years experience can substitute for Ph.D.). Principal Engineer shall have a minimum of six (6) years of experience working with relevant scientific and technical programs. The Principal Engineer I must be able to demonstrate their knowledge by referencing inventions, novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Principle Engineer* as well as:

- Direct junior staff, as required, concerning technical issues of project.

PRINCIPAL ENGINEER

Education and Experience

A minimum of a Ph.D. Degree in an engineering field and a Bachelor of Science Degree in an engineering, science or related field. Principal Engineer shall have a minimum of three (3) years of experience working with relevant scientific and technical programs. The Principal Engineer must be able to demonstrate their knowledge by referencing inventions, novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

- Project technical lead.
- Develop and present technical briefings as related to project.

- Assist in the authoring/publishing of technical articles/papers as related to the project.

PRINCIPAL SCIENTIST I

Education and Experience

A minimum of a Ph.D. Degree in a science field (MS Degree plus five (5) years experience can substitute for Ph.D.). Principal Scientist shall have a minimum of six (6) years of experience working with scientific and technical programs. The Principal Scientist must be able to demonstrate their knowledge by referencing inventions, novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Principle Scientist* as well as:

- Direct junior staff, as required, concerning technical issues of project.

PRINCIPAL SCIENTIST

Education and Experience

A minimum of a Ph.D. Degree in a science field and Bachelor of Science Degree in an engineering, science or related field. Principal Scientist shall have a minimum of three (3) years of experience working with scientific and technical programs. The Principal Scientist must be able to demonstrate their knowledge by referencing inventions, novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

- Project scientific lead.
- Develop and present scientific briefings as related to project.
- Assist in the authoring/publishing of scientific articles/papers as related to the project.

PRINCIPAL PHYSICIST

Education and Experience

A minimum of a Ph.D. Degree in the field of physics and Bachelor of Science Degree in a physics, engineering, science or related field. Principal Physicist shall have a minimum of three (3) years of experience working with scientific and technical programs. The Principal Physicist must be able to demonstrate their knowledge by referencing inventions, novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

- Project scientific lead.

- Develop and present scientific briefings as related to project.
- Assist in the authoring/publishing of scientific articles/papers as related to the project.
- Direct junior staff, as required, concerning technical issues of project.

ENGINEERING PSYCHOLOGIST/HUMAN FACTORS ENGINEER

Education and Experience

A minimum of a Ph.D. in psychology, engineering psychology or human factors engineering. This individual shall have at least three (3) years of experience with engineering psychology applications preferably in the areas of human visual perception and the design and analysis of visual psychophysical experiments.

Functions/Responsibilities (includes one or more of the following)

- Design and analysis of visual psychological experiments
- Assist in the development of the human experiment protocols.
- Assist in the authoring/publishing of psychology/human factors articles/papers as related to the project.
- Develop and present psychology/human factors briefings as related to project.

SENIOR STATISTICIAN

Education and Experience

A minimum of a Master's Degree in statistics or mathematics with at least eight (8) years of experience in the statistical analysis of experimental data using advanced techniques such as linear and non-linear correlation and regression analysis and non-linear transformations or a Ph.D. in one of the appropriate fields of study and six (6) years of relevant experience.

Functions/Responsibilities (includes one or more of the following)

- Statistical analysis of experimental data using advanced techniques such as linear and non-linear correlation.
- Regression analysis and non-linear transformation.
- Assist in the development/design of the database for managing test data.
- Assist in the writing of the final report.
- Assist in the authoring/publishing of scientific/psychology articles/papers as related to the project.
- Develop and present scientific/psychology briefings as related to project.

PRINCIPAL MATHEMATICIAN

Education and Experience

A minimum of a Master of Science Degree in mathematics and Bachelor of Science Degree in a mathematics, engineering, science or related field. Principal Mathematician

shall have a minimum of three (3) years of experience with scientific and technical programs. The Principal Mathematician must be able to demonstrate their knowledge by referencing novel concepts, ground breaking technology work, publications, presentations, and/or successful program leadership participation.

Functions/Responsibilities (includes one or more of the following)

- Analysis of experimental data using advanced techniques such as linear and non-linear correlation.
- Assist in the development/design of the database for managing test data.
- Assist in the writing of the final report.
- Assist in the authoring/publishing of scientific/psychology articles/papers as related to the project.
- Develop and present scientific/psychology briefings as related to project.

ENGINEER/SCIENTIST QUALIFICATIONS

SENIOR ENGINEER/SCIENTIST I

Education and Experience

A minimum of a Master of Science degree in engineering or related field (BS plus two (2) years experience can substitute for MS Degree). Additional ten (10) years experience required. Types of engineering required include research and development and systems engineering and engineering studies.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Engineer/Senior Scientist* as well as:

- Design and develop custom system components
- Design and integrate custom systems
- Analyze operation and performance of systems and components
- Perform complex electronic system analysis
- Provide recommendations for system improvement
- Develop performance and functional specifications
- Manage engineering development teams
- Write, publish, and/or present scientific papers describing unique technical work performed
- Brief complex technical and scientific subjects

SENIOR ENGINEER/SENIOR SCIENTIST

Education and Experience

A minimum of a Bachelor of Science Degree in engineering, mathematics, physics, chemistry, materials textiles, computer science or related degree and eight (8) years of

experience in engineering is required or a Master of Science in one of the appropriate fields of study and four (4) years of relevant experience or a Ph.D. in one of the appropriate fields of study and two (2) years of relevant experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Engineering/Scientist I* as well as:

- Work with relevant scientific and technical programs.
- Design, development, and production of complex systems.
- Technical performance of theoretical studies including analyzing existing system design, performing simulations and recommending improvements.
- Develop new concepts or approaches to solving challenging problems
- Write scientific papers describing unique technical work performed
- Design, develop, and/or produce complex systems
- Brief complex technical and scientific subjects
- Develop technical specifications for complex systems and RFPs
- Perform analysis of existing production and prototype systems designs
- Perform feasibility studies

ENGINEER/SCIENTIST I

Education and Experience

A minimum of a Bachelor of Science degree in engineering and six (6) years experience in engineering is required. An Associate's Degree and eight (8) years experience in engineering will be considered equivalent. Types of engineering could include research and development and systems engineering in the area of electronic devices, microwaves and solid state electronics.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Engineering/Technologist* as well as:

- Design, develop, and/or integrate simple communications and/or electronics sensor prototypes
- Perform troubleshooting of complex prototype systems
- Conduct and analyze scientific experiments
- Analyze performance of complex research and development systems
- Provide critical feedback for system improvement

SENIOR ENGINEERING TECHNOLOGIST

Education and Experience

A minimum of fourteen (14) years of relevant experience except those individuals holding an Associate's Degree who will need only a minimum of twelve (12) years of relevant experience. The background of a Senior Engineering Technologist must encompass experience with relevant scientific and technical programs.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Engineer/Scientist Specialist* as well as:

- Develop technical specifications based on stated user requirements for highly complex systems.
- Provide technical direction and guidance to lower level technical personnel.
- Fault isolation, testing, and repair of equipment with complex problems.
- Perform fault isolation, testing, and repair of equipment, engineering prototypes, and custom systems
- Support test and evaluation of custom prototypes and systems in the field
- Operate and calibrate scientific instruments
- Conduct and analyze scientific experiments with minimal supervision
- Provide critical feedback for improvement of scientific procedures and system performance

ENGINEER/SCIENTIST SPECIALIST

Education and Experience

A minimum of a Master's Degree in engineering, materials, chemistry, bioengineering, biophysics, physics, applied mechanics or related degree and a minimum of two (2) years of experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Engineer/Scientist* as well as:

- Perform work on related scientific and technical programs.
- Provide recommendations for system improvement
- Analyze performance of components and systems
- Perform detailed analysis of existing systems
- Develop procedures for test and evaluation of prototype R&D components and systems
- Write technical abstracts and scientific reports

SENIOR ENGINEER/SCIENTIST

Education and Experience

A minimum of a Master of Science degree in electronic/electrical engineering, with eight (8) years experience. Types of engineering required include research and development and systems engineering and engineering studies. Experience in electronic warfare systems and electronics research and development required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Mid Engineer/Scientist* as well as:

- Design and develop custom electronic system components

- Design and integrate custom electronic systems
- Analyze operation and performance of electronic systems and components
- Design and test custom circuit board assemblies
- Perform complex electronic system analysis
- Provide recommendations for system improvement

MID ENGINEER/SCIENTIST

Education and Experience

A minimum of a Bachelor of Science Degree in engineering, mathematics, statistics, chemistry, materials, textiles, physics, computer science, or related degree with at least three (3) years of experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Engineer/Scientist* as well as:

- Perform technical studies and analysis on complex systems to discover concepts, techniques and applications that will advance the state-of-the-art and contribute to the development of effective designs.
- Provide recommendations for system improvement
- Analyze performance of components and systems
- Perform detailed analysis of existing systems
- Develop procedures for test and evaluation of prototype R&D components and systems

ENGINEER/SCIENTIST

Education and Experience

A minimum of a Bachelor of Science degree in engineering and two (2) years experience in engineering is required. An Associate's Degree and six (6) years experience in engineering will be considered equivalent. Types of engineering required could include research and development and systems engineering in the area of electronic devices, microwaves and solid state electronics.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Junior Engineer/Scientist I* as well as:

- Design, develop, and/or integrate simple communications and/or electronics sensor prototypes
- Perform troubleshooting of simple prototype systems
- Analyze performance of simple research and development systems

JUNIOR ENGINEER/SCIENTIST I

Education and Experience

A minimum of a Bachelor of Science Degree in engineering, mathematics, statistics, chemistry, materials, textiles, physics, computer science, or related degree with at least three (2) year of experience. Associates Degree plus two (2) years experience or no degree and five (5) years experience can substitute for the BS Degree).

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Junior Engineer/Scientist* as well as:

- Perform technical studies and analysis on systems to discover concepts, techniques and applications that will advance the state-of-the-art and contribute to the development of effective designs.

JUNIOR ENGINEER/SCIENTIST

Education and Experience

A minimum of a Bachelor of Science Degree in engineering, mathematics, statistics, chemistry, materials, textiles, physics, computer science, or related degree with at least one (1) year of experience.

Functions/Responsibilities (includes one or more of the following)

- Support test and evaluation of custom prototypes and systems in the field
- Conduct and analyze scientific experiments with some supervision
- Develop custom instrumentation to support evaluation of custom systems and/or experiments
- Develop simple software tool to support analytical tasks using productivity tools such as LabView.
- Perform trade studies of components used for research and development efforts

ENGINEERING QUALIFICATIONS

SOFTWARE ENGINEER

Education and Experience

A minimum of a Master of Science Degree in electronic/electrical engineering, mathematics, computer science, or software engineering with six (6) years experience. A Bachelor of Science Degree in one of the appropriate fields of study and eight (8) years experience will be considered equivalent.

Functions/Responsibilities (includes one or more of the following)

- Math modeling or simulation.
- Use of CASE tools to design software interfaces.

- Requirement/functional allocation and interpretation.
- Software support services such as test and evaluation.
- Verification and validation of software designs.

SENIOR ENGINEER

Education and Experience

A minimum of a Master of Science Degree in electronic/electrical engineering, mechanical engineering, industrial engineering, or systems engineering together with eight (8) years experience. A Bachelor of Science Degree in one of the appropriate fields of study and ten (10) years experience will be considered equivalent. The types of engineering experience required could include research and development, systems engineering, and engineering studies.

Functions/Responsibilities (includes one or more of the following)

- Provide complex system designs
- Perform work on related scientific and technical programs.
- Provide recommendations for system improvement
- Analyze performance of components and systems
- Perform detailed analysis of existing systems
- Develop procedures for test and evaluation of prototype R&D components and systems
- Write technical abstracts and scientific reports

ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in engineering and four (4) years experience in engineering is required. An Associate s Degree and six (6) years experience in engineering or no-degree and eight (8) years experience in engineering will be considered equivalent. The types of engineering experience required could include research and development and systems engineering.

Functions/Responsibilities (includes one or more of the following)

- Systems engineering.
- Design, develop, and/or integrate simple communications and/or electronics sensor prototypes
- Perform troubleshooting of complex prototype systems
- Conduct and analyze scientific experiments
- Analyze performance of complex research and development systems

JUNIOR ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in engineering. An Associate s Degree and four (4) years experience in engineering or no degree and six (6) years experience in engineering will be considered equivalent. The working environment includes research and development in the area of electronic devices, microwaves and solid state electronics.

Functions/Responsibilities (includes one or more of the following)

- Develop custom instrumentation to support evaluation of custom systems and/or experiments
- Develop simple software applications to support analytical tasks
- Perform trade studies of components used for research and development efforts

SENIOR PROJECT ENGINEER II

Education and Experience

A minimum of a Bachelor or Science degree in engineering, engineering technology, physics, or physical Science from an accredited college or university. Individual must have a minimum of four (4) years experience in relevant scientific and technical programs and four (4) years experience in configuration management. For concurrent experience, the minimum total experience is four (4) years. The substitution of graduate study for experience will be on a one for one year basis.

Functions/Responsibilities (includes one or more of the following)

- Configuration management.
- Test methods, procedures and computer operations as they relate to scientific and technical programs.
- One or more of the following technical expertise: Thermal imaging system technology, image intensification, laser and laser rangefinder technology, or radar.

SENIOR PROJECT ENGINEER I

Education and Experience

A minimum of a Bachelor of Science degree in engineering, engineering technology, physics, or physical Science from an accredited college or university. Individual must have a minimum of two (2) years experience in relevant scientific and technical programs and two (2) years experience in configuration management. For concurrent experience, the minimum total experience is two (2) years.

Functions/Responsibilities (includes one or more of the following)

- Configuration management.
- Test methods, procedures and computer operations as they relate to scientific and technical programs.

ANALYST QUALIFICATIONS

PRINCIPAL ANALYST/ENGINEER II

Education and Experience

A minimum Master of Science degree and 14 years experience; or Bachelor of Science Degree and 20 years experience; or some college with 25 years experience.

Functions/Responsibilities (includes one or more of the following):

Can include any or all of the duties and responsibilities of *Principal Analyst/Engineer I* as well as:

- Responsible for a wide range of design, development, analysis or review of tasks, while providing supervision of contributing technical personnel.
- As the team leader, responsible for complete designs, analyses or design reviews.
- Acts as and is recognized as a company/ industry expert resource on complex technical problems.
- May lead technical teams and act as a mentor to technical team members.
- May provide technical management and leadership to a group of employees for a given project, contract or job with overall responsibility for cost, schedule technical and employee performance.
- Selects, trains, advises, evaluates, schedules, supervises and directs personnel, either directly or through a subordinate supervisor.
- Develops, interprets and implements technical and administrative operating policies and procedures.
- Maintains technical project responsibility for assigned tasks and advises management of progress in support of the technical and administrative direction of project operations.

PRINCIPAL ANALYST/ENGINEER I

Education and Experience

A minimum Master of Science degree and 12 years experience; or Bachelor of Science Degree and 18 years experience; or some college with 23 years experience.

Functions/Responsibilities (includes one or more of the following):

Can include any or all of the duties and responsibilities of *Principal Analyst/Engineer* as well as:

- Documents, reports, and publishes project findings

PRINCIPAL ANALYST/ENGINEER

Education and Experience

This individual must possess a broad knowledge in the particular area of specialization with an in-depth understanding of the latest development in the field. Extensive

experience and/or a degree in a related educational discipline is required. This requirement can be met with an advanced degree and 10 years experience, or a Bachelor's Degree and 15 years experience or some college and 20 years experience.

Functions/Responsibilities (includes one or more of the following) may include:

Can include any or all of the duties and responsibilities of *Systems/Program Analyst I* as well as:

- Performs customer requirements analyses.
- As a team member or lead, solves complex technical problems.
- Conducts analytic and/or scientific studies in a specific technical area to support management, organizational or business decisions.
- Performs conceptual, developmental and planning functions for major programs.
- Generates specifications or plan for operational implementation.
- Prepares and reviews detailed technical documentation that supports technical findings, opinions or recommendations.
- Performs customer liaison, makes presentations and attends customer meetings.
- Evaluates technical applications used to make management/programmatic decisions.
- Acts as a recognized operational expert in a specific discipline capability.
- Trains/mentors junior-level personnel.

SYSTEMS/PROGRAM ANALYST I

Education and Experience

A minimum of a Bachelor of Science or Bachelor of Arts Degree in business or related fields and at least seven (7) years experience or a Master of Science Degree in one of the appropriate fields of study and five (5) years of experience.

Functions/Responsibilities (includes one or more of the following):

Can include any or all of the duties and responsibilities of *Systems/Program Analyst* as well as:

- Management of team of engineers (day-to-day tasking, progress reporting, etc.)

SYSTEMS/PROGRAM ANALYST

Education and Experience

A minimum of a Bachelor of Science or Bachelor of Arts Degree in business or related fields and at least five (5) years experience or a Master of Science Degree in one of the appropriate fields of study and three (3) years of experience. This individual must be competent in the areas of data base management and be familiar with life cycle acquisitions. Experience should also include training and direct experience in scientific programming and interpretation of user requirements.

Functions/Responsibilities (includes one or more of the following):

Can include any or all of the duties and responsibilities of *Senior Analyst/Engineer* as well as:

- Perform evaluation, design or revision of manual or automated project management systems.
- Analyze costs, schedules and technical performance of various projects/programs.
- Database management.
- Provide the necessary input for the preparation of project management documentation.
- Perform daily interfacing with the customer to compile information regarding installation, testing and training of the equipment/ systems.
- Scientific programming and interpretation of user requirements.

SENIOR ANALYST/ENGINEER

Education and Experience

This individual must possess a broad knowledge in the particular area of specialization. This requirement can be met by a Bachelor's Degree and 5 to 8 years of experience or a Master's Degree with 3 to 5 years experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Lead Analyst/Engineer* as well as:

- Management of small team of engineers (day-to-day tasking, progress reporting, etc.)

LEAD ANALYST/ENGINEER

Education and Experience

This individual must possess a general knowledge in the particular area of specialization. Some related experience and/or a degree in a related educational discipline is required. This requirement can be met by an advanced degree or 3 to 5 years experience with a Bachelor's Degree or 5 to 8 years experience with some college work.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Analyst/Engineer* as well as:

- Interacts with customer to report on progress and present findings

ANALYST/ENGINEER

Education and Experience

This individual must possess an entry-level knowledge in the particular area of specialization. Some related experience and/or a degree in a related educational

discipline. This requirement can be met with a Bachelor s Degree or 1 to 3 years experience combined with some college work.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Data Analyst* as well as:

- Applies knowledge of and experience with technological concepts in scientific or engineering disciplines to prepare, review or accept documents such as:
 - Project or component specifications
 - Design and production documentation
 - Test plans
 - Test procedures

DATA ANALYST

Education and Experience

A Data Analyst can have any combination of training and experience in the analysis, preparation and entry of new scientific data into prescribed data formats totaling five (5) years.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Data Specialist* as well as:

- Preparation and/or entry of scientific data into specific data formats
- Ability to follow prescribed analytic process in the evaluation of scientific data

DATA SPECIALIST

Education and Experience

A Data Specialist can have any combination of training and experience in the operation and maintenance of multimedia libraries that totals five (5) years. This individual must have at least a limited knowledge in any associated/related industry specifications and standards.

Functions/Responsibilities (includes one or more of the following)

- Maintaining, extracting, summarizing and retrieving data from drawings, specifications, and reports.

COMPUTER SCIENTIST/PROGRAMMER QUALIFICATIONS

PRINCIPAL COMPUTER SPECIALIST II

Education and Experience

A minimum of a Master of Science Degree in a computer engineering/science field and eight (8) years experience in a computer, engineering, science or related field. Bachelor

of Science degree in related field and ten (10) years experience can be considered equivalent. Must be proficient with relevant scientific and technical programs.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Principal Computer Specialist I* as well as:

- Manage large programming team.

PRINCIPAL COMPUTER SPECIALIST I

Education and Experience

A minimum of a Master of Science Degree in a computer engineering/science field and five (5) years experience in a computer, engineering, science or related field. Bachelor of Science degree in related field and seven (7) years experience can be considered equivalent. Must be proficient with relevant scientific and technical programs.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Principal Computer Specialist* as well as:

- Document, publish, and/or present findings from the project.
- Perform work with relevant scientific and technical programs.

PRINCIPAL COMPUTER SPECIALIST

Education and Experience

A minimum of a Master of Science Degree in a computer engineering/science field and Bachelor of Science Degree in a computers, engineering, science or related field. A Principal Computer Specialist shall have a minimum of three (3) years of experience working with relevant scientific and technical programs.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Computer Scientist I* as well as:

- Manage small programming team.
- Reference ground breaking technology work, publications, presentations, and/or successful program leadership participation.

SENIOR COMPUTER SCIENTIST I

Education and Experience

A minimum of a Master of Science Degree and four (4) years of experience in one or more of the following: digital simulation, signal processing, operational software, microprocessor system design, algorithm development and hardware/software

architecture integration. Bachelor of Science Degree and six (6) years experience can be considered equivalent.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Computer Scientist* as well as:

- Present and report on findings from the project.

SENIOR COMPUTER SCIENTIST

Education and Experience

A minimum of a Master of Science Degree and two (2) years of experience in one or more of the following: digital simulation, signal processing, operational software, microprocessor system design, algorithm development and hardware/software architecture integration.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Program/Systems Analyst* as well as:

- Basic software design (specify inputs/outputs, GUI layout, functional design)
- Develop, maintain, and test programs, utilities, and libraries focused on one or more of the following:
 - Digital simulation.
 - Signal processing.
 - Operational software.
 - Microprocessor system design.
 - Algorithm development.
 - Hardware/Software integration architecture integration
- Gather data relevant to the projects and develop system requirements.
- Predict impact on existing applications
- Generate recommendations concerning the design nature of the proposal.
- Recognize developments potentially applicable to the proposed application.

SENIOR PROGRAMMER/COMPUTER ANALYST II

Education and Experience

A minimum of six (6) years programming experience or a Bachelor's Degree with two (2) years of application programming experience. This individual must have knowledge of applications programming and analysis techniques combined with knowledge of pertinent system software and equipment characteristics as well as knowledge of current system software and equipment technology. This individual should have a familiarity with the characteristics and capabilities of development and testing packages currently available from vendors.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Programmer/Computer Analyst I* as well as:

- Manage small team of junior programmers.
- Generate reports and present findings

SENIOR PROGRAMMER/COMPUTER ANALYST I

Education and Experience

A minimum of five (5) years programming experience which includes four (4) years knowledge and experience with applications programming and analysis techniques combined with knowledge of pertinent system software and equipment characteristics as well as, knowledge of current system software and equipment technology to recognize developments potentially applicable to the proposed application is required. This individual should have a familiarity with the characteristics and capabilities of development and testing packages currently available from vendors.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Program/Systems Analyst* as well as:

- Gather data relevant to the projects and develop system requirements.
- Predict impact on existing applications
- Generate recommendations concerning the design nature of the proposal.
- Recognize developments potentially applicable to the proposed application.

PROGRAM/SYSTEMS ANALYST

Education and Experience

A degree from a four (4) year college/university and five (5) years of experience in computer programming/administration or any combination of education, beyond a four (4) year degree, and experience that equates to nine (9) years. In addition to programming scientific and engineering applications in common software development tools (e.g. – Visual Studio, Eclipse) and languages (e.g. – C/C++, C#, .Net, Java, Python), necessary experience includes interfacing software to and controlling hardware via serial port, Ethernet, or USB.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Program/Analyst-Applications* as well as:

- Design (specify inputs/output) interfaces for hardware communications links.
- Develop software that controls and interfaces with hardware systems through communication links such as serial ports, Ethernet, or USB.

PROGRAM/ANALYST-APPLICATIONS

Education and Experience

A degree from a four (4) year college/university and four (4) years of applications programming experience or any combination of education, beyond a four (4) year degree, and experience that equates to eight (8) years. Necessary experience shall include programming scientific and engineering applications in common software development tools (e.g. – Visual Studio, Eclipse) and languages (e.g. – C/C++, C#, .Net, Java, Python).

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Programmer* as well as:

- Specify basic GUI design of application.
- Prototype functionality using RAD techniques.

PROGRAMMER

Education and Experience

A Programmer must have at least three (3) years experience in programming which includes at least two (2) years experience with common software development tools (e.g. – Visual Studio, Eclipse) and languages (e.g. – C/C++, C#, .Net, Java, Python). The necessary experience includes knowledge of programming techniques, computer equipment and systems software. This individual should have knowledge of ADP standards, policies and techniques.

Functions/Responsibilities (includes one or more of the following)

- Develop, maintain, and test applications programs, utilities, and libraries where feasibility studies and determination of inputs, outputs, equipment and systems software to be used has been accomplished by others.

JUNIOR PROGRAMMER

Education and Experience

A Junior Programmer must have knowledge of procedures, programming standards, utility programs available, fact-finding approaches, use of decision logic tables and similar established techniques and requirements.

Functions/Responsibilities (includes one or more of the following)

- Develop software libraries and tools based on approved designs developed by others.

COMPUTER OPERATOR I

Education and Experience

Computer Operator shall have detailed knowledge, a High School diploma and minimum two (2) years experience of computer equipment, communications links, and peripheral

devices, including operating methods and characteristics in order to set up and operate the equipment. This individual shall have working knowledge operating systems and utility software.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Computer Operator* as well as:

- Limited system administration capabilities of the local system to include file system permissions and setting up local user accounts.

COMPUTER OPERATOR

Education and Experience

A Computer Operator shall have detailed knowledge of computer equipment, communications links, and peripheral devices, including operating methods and characteristics in order to set up and operate the equipment. This individual shall have working knowledge of using operating systems, productivity and utility software, and job control languages to initiate and monitor processing of production workloads.

Functions/Responsibilities (includes one or more of the following)

- Set up and operate computers, peripherals, and communications links.
- Monitor processing of production workloads.

CONFIGURATION MANAGEMENT DATA SPECIALIST

Education and Experience

This individual must have at least two (2) years experience in configuration management to include working knowledge of related industry standards and configuration management practices and procedures.

Functions/Responsibilities (includes one or more of the following)

- Administration control of drawings, specifications and other related technical data documents.
- Operate and input data and obtain reports from relevant types of database and configuration management systems.

PRODUCTION CONTROL SPECIALIST

Education and Experience

A Production Control Specialist should be familiar with computer input elements to perform such functional activities as data entry, data verification, transaction preparation and reprocessing of corrections.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Data Entry Clerk* as well as:

- Data entry into database management system and verification

- Transaction preparation.
- Reprocessing of corrections.

DATA ENTRY CLERK

Education and Experience

A Data Entry Clerk should have knowledge of operating procedures, methods and problems sufficient to understand and act on their effect on documentation requirements. The necessary experience shall include knowledge of Installation Equipment Management System (IEMS).

Functions/Responsibilities (includes one or more of the following)

- Analyze input data.
- Use retrieval capabilities and schedule workload processing for programs as required. May also be required to perform this action on IEM programs.
- Discern similar but differing documentation requirements in order to correctly excerpt and load the correct data from technical documents into the correct fields of a data base management system.

ELECTRICAL / MECHANICAL ENGINEERING QUALIFICATIONS

SENIOR ELECTRICAL ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in electrical engineering from an accredited college/university. Four (4) years work experience is required in one or more of the following: circuit design/analysis, Electrical Computer Aided Design (ECAD), Mentor Graphics, and electronics heating.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Electrical Engineer* as well as:

- Manage team of engineers, scientists, and/or physicists.
- Interface with customers on project schedule and status.
- Develop complex system designs
- Perform work on related scientific and technical programs.
- Provide recommendations for system improvement

ELECTRICAL ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in electrical engineering and two (2) years experience in electrical engineering is required. An Associate s degree and four (4) years experience in electrical engineering will be considered equivalent. The necessary

experience includes the basic knowledge of electronics engineering concepts and principles and a general knowledge of related engineering practices and techniques.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Junior Electrical Engineer* as well as:

- Analyze performance of components and systems
- Perform detailed analysis of existing systems
- Develop simple software applications to support analytical tasks
- Design, develop, and/or integrate communications and/or electronics sensor prototypes

JUNIOR ELECTRICAL ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in electrical engineering from an accredited college/university and one (1) year experience in relevant scientific and technical programs.

Functions/Responsibilities (includes one or more of the following)

- Design, develop, test and supervise the deployment of electrical systems and electronic devices
- Design and analyze circuits
- Develop custom instrumentation to support evaluation of custom systems and/or experiments
- Develop simple software applications to support analytical tasks

SENIOR MECHANICAL ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in mechanical engineering from an accredited college/university. Four (4) years work experience is required in one or more of the following: thermal analysis, electronics heating, vibration analysis, and structural analysis.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Junior Mechanical Engineer I* as well as:

- Supervise and/or mentor junior personnel
- Interface with customers regarding mechanical design issues.
- Research, design, evaluate, install, operate, and maintain complex mechanical products, equipment, systems and processes to meet requirements, applying knowledge of engineering principles.

JUNIOR MECHANICAL ENGINEER

Education and Experience

A minimum of a Bachelor of Science Degree in mechanical engineering from an accredited college/university. Two (2) years work experience is required in one or more of the following: thermal analysis, electronics heating, vibration analysis, and structural analysis.

Functions/Responsibilities (includes one or more of the following)

- Read and interpret blueprints, technical drawings, schematics, and computer-generated reports.
- Research and analyze customer design proposals, specifications, manuals, and other data to evaluate the feasibility, cost, and maintenance requirements of designs or applications.
- Specify system components or direct modification of products to ensure conformance with engineering design and performance specifications.
- Research, design, evaluate, install, operate, and maintain mechanical products, equipment, systems and processes to meet requirements, applying knowledge of engineering principles.
- Investigate equipment failures and difficulties to diagnose faulty operation, and to make recommendations to maintenance crew.
- Assist drafters in developing the structural design of products, using drafting tools or computer-assisted design/drafting equipment and software.
- Provide feedback to design engineers on customer problems and needs.
- Oversee installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.

CAD OPERATOR

Education and Experience

A CAD Operator shall be intimately familiar with associated/related industry specifications and standards and a good understanding of configuration management. A minimum of a Bachelor of Science Degree in an engineering discipline from an accredited school is required. A minimum of eight (8) years experience may be substituted for the degree requirement. This individual must be competent in Computer Aided Design/Drafting, design and graphic skills, and must possess a minimum of four (4) years Computer Aided Design (CAD) experience of which at least two (2) years of the experience must be with Pro/Engineer.

Functions/Responsibilities (includes one or more of the following)

- Computer Aided Design/Drafting using standard CAD programs.

TECHNICIAN QUALIFICATIONS

PRINCIPAL TECHNICIAN

Education and Experience

A minimum of a high school diploma or G.E.D. and ten (10) years experience is required. This individual must show an ability to show judgment and initiative in performing routine engineering related to the development or modification of complex systems. Also, must be capable of collecting operational data on relevant complex systems. This requires technical and skilled work at the journeyman level in the fabrication, maintenance, test or repair of electronic or mechanical components. This category may also include skilled work at the journeyman level for fabrication of prototypes.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Technician I* as well as:

- Collect operational data on complex systems.
- Fabrication, maintenance, test, or repair of complex electronic or mechanical components at the journeyman level.
- Fabrication of prototypes at the journeyman level.

TECHNICIAN I

Education and Experience

A minimum of a high school diploma and five (5) years experience is required. Must have the ability to perform routine engineering tasks. This requires technical and skilled work in the fabrication, maintenance, test or repair of electronic or mechanical components.

Functions/Responsibilities (includes one or more of the following)

- Fabrication, maintenance, test or repair of electronic or mechanical components at the journeyman level.

TECHNICIAN

Education and Experience

A minimum of a high school diploma or G.E.D. and three (3) years experience is required. This individual must show an ability to show judgment and initiative in performing routine engineering related to the development or modification of systems.

Functions/Responsibilities (includes one or more of the following)

- Collect operational data on electronic systems.
- Fabrication, maintenance, test, or repair of electronic or mechanical components at the entry level.

SENIOR ELECTRONICS TECHNICIAN

Education and Experience

A Senior Electronics Technician must have ten years of technician experience in the maintenance or repair of complex electronic equipment. This individual must possess a good understanding of electronic/electro-optic components and systems such as preamplifiers, receivers, servos, digital components, interfaces, recorders, lasers or test equipment.

Functions/Responsibilities (includes one or more of the following)

- Maintenance or repair of complex electronic equipment.
- Fault isolation, testing, or repair of equipment with complex problems.

ELECTRICIAN, MAINTENANCE

Education and Experience

This individual must possess rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. The knowledge of a variety of electrical trade functions such as the installation, maintenance or repair of equipment for the generation, distribution, or utilization of electric energy in an establishment is required.

Functions/Responsibilities (includes one or more of the following)

- Installation, maintenance or repair of equipment for the generation, distribution, or utilization of electric energy in an establishment

ELECTRICAL TECHNICIAN III

Education and Experience

Must have at least five (5) years experience and be capable of doing circuit design and troubleshooting sophisticated electronic equipment (i.e. transmissometers, radiometers, photometers, and radios). Must have a working knowledge of solid state components, their functions, capabilities and limitations.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the responsibilities of *Electrical Technician II* as well as:

- Circuit design.
- Troubleshooting sophisticated electronic equipment.

ELECTRICAL TECHNICIAN II

Education and Experience

Must have at least four (4) years experience. Must have a working knowledge of solid state components, their functions, capabilities and limitations.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the responsibilities of *Electrical Technician I* as well as:

- Interpret complex block diagrams and schematics.

ELECTRICAL TECHNICIAN I

Education and Experience

Must have at least two (2) years experience. Must have a basic working knowledge of solid state components, their functions, capabilities and limitations.

Functions/Responsibilities (includes one or more of the following)

- Soldering, wiring, or printed circuit board or cable fabrication and their integration into an operating system.
- Racking or stacking of electronic equipment or making minor changes in components to improve operation and eliminate overloads.
- Interpret block diagrams.

MECHANICAL TECHNICIAN V

Education and Experience

Must have a working knowledge of basic material assembly, stresses, capabilities and limitations. Must be experienced in cutting, welding, drill and tapping various material to assemble fixtures and brackets capable of supporting test systems and support equipment during vehicle or weapon testing. Also, must be capable of interpreting basic blueprints and drawings.

Must have at least eight (8) years experience and be familiar with fixture design and material analysis. HS Diploma or GED required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Mechanical Technician IV*, as well as:

- Manage teams of mechanical technicians.
- Interface with mechanical engineers and customers.
- Assess mechanical designs/drawings.

MECHANICAL TECHNICIAN IV

Education and Experience

Must have a working knowledge of basic material assembly, stresses, capabilities and limitations. Must be experienced in cutting, welding, drill and tapping various material to assemble fixtures and brackets capable of supporting test systems and support equipment during vehicle or weapon testing. Also, must be capable of interpreting basic blueprints and drawings.

Must have at least six (6) years experience and be familiar with fixture design and material analysis. HS Diploma or GED required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Mechanical Technician III*, as well as:

- Assemble fixtures and brackets capable of supporting test systems and support equipment during vehicle or weapon testing.
- Interpret complex blueprints and drawings.

MECHANICAL TECHNICIAN III

Education and Experience

Must have at least five (5) years experience and be familiar with fixture design and material analysis. Must have a working knowledge of basic material assembly, stresses, capabilities and limitations. Must be experienced in cutting, welding, drill and tapping various material to assemble fixtures and brackets capable of supporting test systems and support equipment during vehicle or weapon testing.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Mechanical Technician II*, as well as:

- Fixture design and material analysis
- Interpret basic and more complex blueprints and drawings.

MECHANICAL TECHNICIAN II

Education and Experience

Must have at least four (4) years experience. Must have a working knowledge of basic material assembly, stresses, capabilities and limitations. Must be experienced in cutting, welding, drill and tapping various material to assemble fixtures and brackets capable of supporting test systems and support equipment during vehicle or weapon testing.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Mechanical Technician I*, as well as:

- Analyze stresses, capabilities, and limitations.
- Interpret basic blueprints and drawings.

MECHANICAL TECHNICIAN I

Education and Experience

Must have at least two (2) years experience. Must have a working knowledge of basic material assembly, stresses, capabilities and limitations. Must be experienced in cutting,

welding, drill and tapping various material and must be capable of interpreting basic blueprints and drawings.

Functions/Responsibilities (includes one or more of the following)

- Material assembly
- Cutting, welding, drill and tapping various materials .

PHOTO-OPTICS TECHNICIAN III

Education and Experience

Must have at least five (5) years experience. Possess an understanding of basic designs of thermal imaging, image intensifiers and television. Must have a working knowledge of photo-optical applications such as video recording, photography, lasers, and lighting.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Photo-Optics Technician II*, as well as:

- Manage junior photo-optic technicians.
- Interface with engineers and customers to review project status.
- Acquisition of complex imagery data systems.

PHOTO-OPTICS TECHNICIAN II

Education and Experience

Must have at least four (4) years experience. Must have a working knowledge of photo-optical applications such as video recording, photography, lasers, and lighting.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Photo-Optics Technician I*, as well as:

- Modify existing equipment and participate in planning and testing of modified equipment.
- Configure image acquisition hardware.

PHOTO-OPTICS TECHNICIAN I

Education and Experience

Must have at least two (2) years experience. Must have a working knowledge of photo-optical applications such as video recording, digital photography, lasers, and lighting.

Functions/Responsibilities (includes one or more of the following)

- Set up and operate photo-optical instrumentation to record and photograph data for scientific and engineering projects.
- Operate and calibrate photo-optical equipment according to formalized procedures, maintenance manuals, and schematic diagrams.

- Install and calibrate optical and photographic data collection equipment in various machinery.

MACHINIST III

Education and Experience

A Machinist must be a journeyman level machinist plus ten (10) years experience. HS Diploma or GED required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Machinist II* as well as:

- Perform non-routine assignments of moderate complexity
- Supervise the work of more junior personnel

MACHINIST II

Education and Experience

A Machinist must be a journeyman level machinist plus eight (8) years experience. HS Diploma or GED required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Machinist I* as well as:

- Mentor junior personnel

MACHINIST I

Education and Experience

A Machinist must be a journeyman level machinist plus five (5) years experience. No degree required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Machinist* as well as:

- Perform routine and non-routine assignments of low to moderate complexity

MACHINIST

Education and Experience

A Machinist must be a journeyman level machinist. This individual should have knowledge of most of the common metals (Steel, 5.5., Aluminum). Must also know and be able to use all types of hand tools used in the shops. Should be able to use all types of measuring instruments to include micrometers, gauges, calipers, squares, and dial indicators. Must be able to set up and operate all types and sizes of conventional machines to include lathe, vertical and horizontal mills, drilling machines and grinders.

Functions/Responsibilities (includes one or more of the following)

- Read and interpret sketches and blueprints.
- Use micrometers, gauges, calipers, squares, and other devices as required.
- Set up and operate all types and sizes of conventional machines to include lathe, vertical and horizontal mills, drilling machines and grinders.

DRAFTSMAN

Education and Experience

Minimum of a one (1) year certificate from a technical or trade school in drafting is required with three (3) years drafting experience. This individual shall be competent in Computer Aided Design/Drafting, Design and Graphic skills.

Functions/Responsibilities (includes one or more of the following)

- Preparing moderately complex drawings using computer drafting equipment or standard hand drafting techniques to communicate engineering ideas and information in support of engineering functions.

TRAINING / TECHNICAL WRITING QUALIFICATIONS

CURRICULUM DEVELOPER II

Education and Experience

High School diploma and a minimum five (5) years experience in technical writing or training.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Curriculum Developer I* as well as:

- Develop Programs of Instruction for computer-based training
- Coordinate course content development among multiple authors
- Design course curricula to incorporate various types of media

CURRICULUM DEVELOPER I

Education and Experience

High School diploma and a minimum three (3) years experience in technical writing or training.

Functions/Responsibilities (includes one or more of the following)

- Assist in the preparation of course and training objectives, outlines, instruction and student guides, and perform training with multimedia presentations.

TRAINING SPECIALIST I

Education and Experience

A minimum of a Bachelor's Degree with ten (10) years experience in course instruction/development.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Training Specialist* as well as:

- Coordinate the development of new training products and services, including animations, narration, and educational videos.
- Produce and present multimedia training presentations
- Provide analysis on new training areas.

TRAINING SPECIALIST

Education and Experience

A minimum of a Bachelor's Degree in the training and/or human sciences fields. This individual must have at least five (5) years experience in course instruction/development.

Functions/Responsibilities (includes one or more of the following)

- Prepare instructional documentation and presentation materials
- Support training activities to include photography, video recording, and software demonstrations
- Prepare course and training objectives, outlines, instruction and student guides, and perform training with multimedia presentations.

SENIOR TECHNICAL WRITER II

Education and Experience

A minimum of a Bachelor's Degree with eight (8) years of technical writing experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Technical Writer I* as well as:

- Interface with Subject Matter Experts as needed for technical specifications
- Provide templates and standard practices for technical writing within a project
- Coordinate the work of technical writers on larger programs

SENIOR TECHNICAL WRITER I

Education and Experience

A minimum of a Bachelor's Degree with four (4) years of technical writing experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Senior Technical Writer* as well as:

- Assist with the coordination of complex documentation tasks
- Review and edit engineering documentation to improve readability and verify accuracy

SENIOR TECHNICAL WRITER

Education and Experience

A minimum of a Bachelor of Arts Degree with a background in Language Arts is required with two (2) years of technical writing experience.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Technical Writer/Editor* as well as:

- Write technical manuals and documentation on complex hardware and software.
- Document complex systems into an easily readable format for other technical or non-technical personnel.

TECHNICAL WRITER/EDITOR

Education and Experience

This individual must possess a knowledge and understanding of abstract ideas and theoretical concepts in related scientific, engineering, and technical programs and computer systems. The technical publications writer or editor must be familiar with the subject matter involved and must be aware of the relationship of the writing or editing project to the total technical information program.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Technical Assistant* as well as:

- Assist with the production of technical publications.
- Document relevant information and organize information sources for use in reports, presentations, and User Guides.

TECHNICAL ASSISTANT

Education and Experience

A minimum of a secretarial school education or an Associate's Degree in Business Administration and six (6) years general administrative experience. The individual must be familiar with the operation of the following office equipment: PC's, copiers, faxes in addition to standard office productivity software (word processors, spreadsheets, presentation software). This individual must possess a working knowledge of scientific/technical terminology and the ability to directly interface with scientists and engineers.

Functions/Responsibilities (includes one or more of the following)

- Provide management and administrative assistance.
- Maintain technical reference material, and prepare technical reports.
- Interface with scientists and engineers.

GRAPHIC DESIGN QUALIFICATIONS

GRAPHIC ARTIST I

Education and Experience

High School diploma and minimum of six (6) years experience in the design and display of digital graphics using a variety of graphic design tools/techniques.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Graphic Artist* as well as:

- Coordinate the design for graphical user interfaces, web-based training programs, and promotional products
- Interface with programmers and engineers to develop conceptual designs
- Design 2D drawings for computer-based software, web sites, animations, and videos
- Design and animate 3D models of existing hardware systems, prototypes, and future systems
- Prepare graphics to print pamphlets, brochures, and presentations.

GRAPHIC ARTIST

Education and Experience

A minimum of four (4) years experience in the use of 2D and/or 3D graphic drawing tools.

Functions/Responsibilities (includes one or more of the following)

- Produce 2D and 3D drawings for animations and videos
- Produce graphics to illustrate engineering and training concepts
- Support product demonstrations with drawings, logo designs and printed materials

ILLUSTRATOR (SCIENTIFIC)

Education and Experience

Skilled in freehand drawing and computer-based drawing. This requires artistic skill and proficiency in the use of a variety of digital art production tools.

Functions/Responsibilities (includes one or more of the following)

- Produce illustrations that are factual, scientifically accurate, and easy to interpret.

ADMINISTRATIVE QUALIFICATIONS

OFFICE ADMINISTRATOR

Education and Experience

A minimum of four (4) years of direct experience in administration of organizational mail service, records management program, forms program or publications program.

Functions/Responsibilities (includes one or more of the following)

- Administer organizational mail service, records management, forms, and publications as well as other office administration activities.
- Manage electronic calendars for project leads

CLERICAL SUPPORT

Education and Experience

This individual must possess a high school diploma or G.E.D. Must be able to use standard work processing tools and elementary spreadsheet usage.

Functions/Responsibilities (includes one or more of the following)

- Provide clerical support using Word and Excel

FINANCIAL/BUDGET SPECIALIST II

Education and Experience

High School diploma and minimum five (5) years experience in administrative program assignments.

Functions/Responsibilities (includes one or more of the following)

- Assist in the development of resource and budget documents and studies using historical data.
- Monitor an organization's resource allocations.
- Conduct interviews with managers or employees to obtain resource/budget information.
- Prepare organizational budgets in Excel

FINANCIAL/BUDGET SPECIALIST I

Education and Experience

High School diploma and minimum two (2) years experience in administrative program assignments.

Functions/Responsibilities (includes one or more of the following)

- Assist in the development of resource and budget documents and studies using historical data.
- Monitoring an organization's resource allocations.
- Review organizational budgets in Excel

TEST COORDINATOR/FACILITY MANAGER II

Education and Experience

High School diploma and at least eight (8) years experience in facility maintenance and the operation of a field test site to include sophisticated electronic equipment as well as the maintenance of buildings and grounds. Sufficient background in electronics and sensors to be able to conduct field collections.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Test Coordinator/Facility Manager I* as well as:

- Ability to develop and administer complex test plans.
- May include direct supervision of contractors.

TEST COORDINATOR/FACILITY MANAGER I

Education and Experience

High School diploma and at least five (5) years experience in facility maintenance and the operation of a field test site to include sophisticated electronic equipment as well as the maintenance of buildings and grounds. Sufficient background in electronics and sensors to be able to conduct field collections is also required.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Test Coordinator/Facility Manager* as well as:

- Facility maintenance and the operation of a field test to include sophisticated electronic equipment.

TEST COORDINATOR/FACILITY MANAGER

Education and Experience

This individual shall have at least three (3) years experience in facility maintenance and the operation of a field test site to include sophisticated electronic equipment as well as

the maintenance of buildings and grounds. Sufficient background in electronics and photo-optics to be able to interface with engineering and scientific personnel in the set up and conduct of elaborate tests of laser and infra-red equipment applications is required.

Functions/Responsibilities (includes one or more of the following)

- Maintenance of buildings and grounds.
- Field collections.
- Select and hire contractors to perform various tasks at the test facility.
- Ordering of equipment for general and special maintenance.

ADDITIONAL LABOR CATEGORIES ADDED PER MODIFICATION PA01

SR IMAGERY ANALYST

Education and Experience

High School degree or equivalent and 8 years experience or AA/AS or military equivalent and 5 years experience, or BA/BS or military equivalent and 3 years experience. Basic imagery training.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Imagery Analyst*, as well as:

- Support mission planning
- Perform real-time monitoring

IMAGERY ANALYST

Education and Experience

High School degree or equivalent and 5 years experience, or AA/AS or military equivalent and 3 years experience. Basic imagery training. Experience to include NTM, tactical, theater or commercial exploitation systems.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Jr Imagery Analyst* as well as:

- Collate and analyze information
- Exploit EO, IR, radar, multispectral or hyperspectral imagery.

JR IMAGERY ANALYST

Education and Experience

High School degree or equivalent and 2 years experience. Basic imagery training. Experience to include NTM, tactical, theater or commercial exploitation systems.

Functions/Responsibilities (includes one or more of the following)

- Image exploitation.
- Research databases.

SR IMAGERY SCIENTIST

Education and Experience

BS in Physics, Engineering, Geophysics, Remote Sensing, Mathematics or other quantitative discipline and 8 years experience, or MS in these fields plus 5 years inexperience or PhD in these fields and 3 years experience. Familiarity with sensor systems and standard IMINT exploitation tools.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Imagery Scientist* as well as:

- Analysis of multispectral and/or hyperspectral imagery
- Development use of algorithms, phenomenology, and tools used for exploitation and analysis.

IMAGERY SCIENTIST

Education and Experience

BS in Physics, Engineering, Geophysics, Remote Sensing, Mathematics or other quantitative discipline and plus 3 years experience or MS in these fields. Familiarity with sensor systems and exploitation of EO, IR, Radar, data.

Functions/Responsibilities (includes one or more of the following)

- Exploitation of EO, IR, Radar data.
- Mission planning.
- Interaction with other analysts.

PRINCIPAL SPECTRAL SCIENTIST

Education and Experience

MS BS in Physics, Engineering, Geophysics, Remote Sensing, Mathematics or other quantitative discipline and plus 12 years experience or PhD n these fields plus 8 years experience. Leadership experience in analysis, exploitation, algorithm development, phenomenology, or tools for thermal, multispectral, hyperspectral, or GIS imagery. Career background demonstrating ground breaking technology, publication, presentations, inventions, novel concepts, or otherwise notable achievements.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Sr Spectral Scientist*, as well as:

- Assist in developing multi-sensor fusion detection algorithms and tools.

- Fuse multi-/hyper-spectral phenomenology with other sensor modalities.

SR SPECTRAL SCIENTIST

Education and Experience

BS in Physics, Engineering, Geophysics, Remote Sensing, Mathematics or other quantitative discipline and plus 8 years experience or MS in these fields and 5 years experience or PhD in these fields plus 3 years experience. Knowledge of thermal, multispectral, hyperspectral, or GIS analysis.

Functions/Responsibilities (includes one or more of the following)

Can include any or all of the duties and responsibilities of *Spectral Scientist*, as well as:

- Assist analysts in developing an understanding of hyperspectral (VNIR/SWIR/LWIR) sensor science
- Instruct and train analysts in hyperspectral analysis techniques

SPECTRAL SCIENTIST

Education and Experience

BS in Physics, Engineering, Geophysics, Remote Sensing, Mathematics or other quantitative discipline and plus 3 years experience or MS in these fields. Familiarity with thermal, multispectral, hyperspectral, or GIS analysis.

Functions/Responsibilities (includes one or more of the following)

- Development and use of algorithms, phenomenology, and tools used for exploitation and analysis.
- Provide hyperspectral data analysis
- Participate in hyperspectral imagery remote sensing operations

2. Maximum Order: \$1,000,000.00

3. Minimum order: \$100.00

4. Geographic coverage (delivery area):

The geographic scope of this contract is the 48 contiguous states, the District of Columbia, Alaska, Hawaii, the Commonwealth of Puerto Rico, and all other locations worldwide.

5. Point(s) of production: N/A for services.

6. Discount from list prices or statement of net price: GSA PES contract prices are equal to those charged to the BOA customer.

7. Quantity discounts: Volume Discount of .5% to PES task orders that exceed \$10,000,000.00.

8. Prompt payment terms: Net 30

9a. Government purchase cards are accepted below the micro-purchase threshold of \$2,500.00.

9b. Government purchase cards are accepted or not accepted above the micro-purchase threshold of \$2,500.00.

10. Foreign items: NA for services.

11a. Time of delivery: NA for services.

11b. Expedited delivery: NA for services.

11c. Overnight and 2-day delivery: NA for services.

11d. Urgent Requirements: NA for services.

12. F.O.B. points(s): NA for services.

13a. Ordering address(es):

EOIR Technologies, Inc.

Attn: Summer Scullin
P.O. Box 1240
Spotsylvania, VA 22553

13b. Ordering Procedures: For services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3

14. Payment address(es):

EOIR Technologies, Inc.
Attn: Accounts Receivable
P.O. Box 1240
Spotsylvania, VA 22553

15. Warranty provision: NA for services.

16. Export packing charges: NA for services.

17. Terms and conditions of Government purchase card acceptance:
EOIR will accept the Government purchase card for orders of any size.

18. Terms and conditions of rental, maintenance, and repair: NA for services.

19. Terms and conditions of installation: NA for services.

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices: NA for services.

20a. Terms and conditions for any other services: NA

21. List of service and distribution points: NA for services.

22. List of participating dealers: NA for services.

23. Preventative Maintenance: NA for services.

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and and/or reduced pollutants: NA for services.

24b. Section 508 compliance: NA

25. Data Universal Number System (DUNS) number: #06-345-5190

26. Notification regarding registration in Central Contractor Registration (CCR) database. EOIR Technologies is registered in the CCR database. Our Cage Code is 3T705.



SCA Matrix as Per Mod PS-0008

The SCA is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Number 2005-2103 for the District of Columbia, Maryland, and Virginia. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly. The escalation for labor categories applicable to the SCA should be annually on the anniversary date of the contract in conjunction with escalation of non-SCA categories awarded on this contract.

SCA MATRIX

SCA Eligible Contract Labor Category	SCA Equivalent Code – Title	WD Number
Electrician Maintenance	23182 – Electronics Technician Maintenance II	05-2103
Electronic Technician III	23181 – Electronics Technician Maintenance I	05-2103
Electronic Technician II	23470 – Laborer	05-2103
Electronic Technician I	23470 – Laborer	05-2103
Mechanical Technician V	23160 – Electrician, Maintenance	05-2103
Mechanical Technician IV	23890 – Sheet-Metal Worker, Maintenance	05-2103
Mechanical Technician III	23550 – Machinist, Maintenance	05-2103
Mechanical Technician II	23470 – Laborer	05-2103
Mechanical Technician I	23470 – Laborer	05-2103
Photo-Optics Technician III	23182 – Electronics Technician Maintenance II	05-2103
Photo-Optics Technician II	23470 – Laborer	05-2103
Photo-Optics Technician I	23470 – Laborer	05-2103
Machinist III	23160 – Electrician, Maintenance	05-2103
Machinist II	23182 – Electronics Technician Maintenance II	05-2103
Machinist I	23550 – Machinist, Maintenance	05-2103
Machinist	23370 – General Maintenance Worker	05-2103
Draftsman	30061 – Drafter/CAD Operator I	05-2103