



Authorized Federal Supply Schedule Price List for **Raytheon Professional Engineering Services (PES)**

General Services Administration, Federal Supply Schedule
Contract Number: GS-23F-0263K
Expiration Date: May 18, 2010

Online access to contract ordering information, terms and conditions, up-to-date pricing and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The Internet address for GSA Advantage! is <http://www.GSAAdvantage.gov>.

Raytheon

Customer Success Is Our Mission

Raytheon Professional Engineering Services Schedule



As America builds new models of government, federal agencies depend increasingly on leading-edge solutions to fulfill evolving mission objectives. Raytheon understands the government's most difficult challenges and delivers innovative solutions that empower agencies to exceed mission requirements. We embrace each agency's vision and provide the foundation that enables mission success.

For further questions, e-mail:
pes@raytheon.com.

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pes@raytheon.com

Professional Engineering Services Schedule

A Fitting Solution for Your Engineering Needs

Today's Raytheon is a Fortune 100 company with over \$20 billion in annual sales and more than 100,000 employees in offices in all 50 states, over 100 U.S. territories and foreign countries. It has expanded its capabilities to become a leader in providing high-quality and complex logistic support services throughout the world, from the U.S. to the former Soviet Union, to Brazil, to the South Pacific, and to Antarctica. Raytheon has the background and expertise to implement a comprehensive management and partnership approach tailored to specific customer needs. As an experienced prime contractor, we have the capability to rapidly staff and successfully perform all task order work required by the diverse users of the Professional Engineering Services (PES) Schedule in their diverse geographical locations.

Raytheon has a history of successful execution of engineering, operations and information systems support services.

Raytheon engineers and technicians operate in remote field locations in the execution of work. Raytheon has the background and expertise to implement a comprehensive management and partnership approach tailored to the specific needs of an agency. Our approach permits our customers to generate success stories for their agencies.

Our hallmark of technical excellence is realized through a commitment to total customer satisfaction. It is through centralized program direction and empowered task execution that we consistently translate requirements into high-quality, cost-effective services. Our management processes conform to industry standards, including the Software Engineering Institute's Capability Maturity Model[®] and ISO 9001.

[®] CMM is a trademark registered to Carnegie Mellon University.

Federal Supply Services Authorized PES Price List

General Description

The PES Schedule is a multiple award schedule designed by General Services Administration (GSA) to provide all government agencies a vehicle for obtaining high-quality, professional engineering services in varying degrees, from small-scale to broad-based efforts to complete outsourcing.

Through task orders under PES, government agencies may procure a wide range of professional engineering services in four primary disciplines.

- **Civil Engineering** – Planning, evaluation and constructed infrastructure of facilities and buildings, transportation systems, water, earthworks, and other structures. It includes, but is not limited to, planning, evaluation, and operations of bridges, dams, airports, highways, transportation systems, large buildings, power generating plants, sewage systems, water resources and supply, waste treatment facilities, soil, rock, etc. It also includes the manufacture, production, furnishing, construction, alteration, repair, processing or assembling of vessels, aircraft, or other kinds of personal property, including heating, ventilation and air-conditioning.
- **Chemical Engineering** – Planning, development, evaluation and operation of chemical, biochemical or physical plants and processes. Changes in composition, energy content, the state of aggregation of materials, forces that act on matter, and relationships are examined, and new and conventional chemical materials, products and processes are produced and/or manufactured. It includes, but is not limited to, planning, evaluating or operation of chemical plants and petroleum refineries, pollution control systems, biochemical processes, plastics, pharmaceuticals, fibers, analysis of chemical reactions that take place in mixtures, determination of methodologies for systematic design, control and analysis of processes, evaluating economics, safety, etc.
- **Electrical Engineering** – Planning, design, development, evaluation and operation of electrical principles, models and processes. It includes, but is not limited to, the design, fabrication, measurement and operation of electrical devices, equipment and systems (e.g., signal processing; telecommunication; sensors, microwave, image processing; micro-fabrication; energy systems and control; micro- and nano-electronics; plasma processing; laser and photonics; satellites, missiles and guidance systems, space vehicles, fiber optics, robotics, etc.).
- **Mechanical Engineering** – Planning, development, evaluation and control of systems and components involving the production and transfer of energy and the conversion of one form of energy to another. It includes, but is not limited to, planning and evaluation of power plants, analysis of the economical combustion of fuels, conversion of heat energy into mechanical energy, use of mechanical energy to perform useful work, analysis of structures and motion in mechanical systems, and conversion of raw materials into a final product, etc. (e.g., thermodynamics, mechanics, fluid mechanics, jets, rocket engines, internal combustion engines, steam and gas turbines, continuum mechanics, dynamic systems, dynamics fluid mechanics, heat transfer, manufacturing, materials, solid mechanics, reactors, etc.).

Each of the primary disciplines are composed of hundreds of subdisciplines, or specialties, associated with each engineering discipline. Services specified in a task order may be performed at the contractor's facilities or the ordering agencies' facilities. Task orders may be issued from complete outsourcing, or privatization of a single task, or any portion of an agency's operations within the scope of the contract.

Contract Data

Contractor: Raytheon Company
12160 Sunrise Valley Drive
Reston, VA 20191

Contract Number: GS-23F-0263K

Task Order Types: T&M* and FFP

Expiration Date: 5/18/10

DUNS Number: 00 133 9159

FOB: Destination

Industrial Funding Fee: .75% Included in Rates

Payment Terms: Net 30
(Payment clause 52.216-7)

SIC Codes: 8711 and 8731

Security Requirements: Up to Top Secret

Supplement Number: 02

Small Business Goals: Small: 14%
Small Disadvantaged: 6%
Woman Owned: 3%
HUB Zone: 2%

Orders placed: All orders must indicate the Subscriber Identification Number (SIN) to be utilized and the intent to use labor category descriptions or engineering service unit descriptions.

***Incidental Items** – For administrative convenience, open-market (noncontract) items may be added to a Federal Supply Schedule's blanket purchase agreement or the individual task order if:

- The items are clearly labeled as such on the order
- All applicable acquisition regulations have been followed
- Price reasonableness has been determined by the ordering activity for the open-market items

Products and ordering information in this PES schedule price list are also available on the GSA Advantage! system. Agencies can browse GSA Advantage! by accessing GSA's web page at www.fss.gsa.gov, or through Raytheon's web page at www.idiq.raytheon.com.

Information for Ordering Activities

Special Notice to Agencies – Small Business Participation

The Small Business Administration (SBA) strongly supports the participation of small business concerns in the Federal Supply Schedules program. To enhance small business participation the SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micro-purchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage! online shopping service (www.fss.gsa.gov). The catalogs/pricelists, GSA Advantage! and the Federal Supply Service home page (www.gsa.gov) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting price lists for a best value determination.

For orders exceeding the micro-purchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

1. Special Item Numbers for Products and Services:

SIN 871-1 Strategic Planning for Technology Programs/Activities

871-2 Concept Development and Requirements Analysis

871-3 System Design, Engineering and Integration

871-4 Test and Evaluation

871-5 Integrated Logistics Support

871-6 Acquisition and Lifecycle Management

2. Maximum Order:

The maximum task order limit is \$750,000. However, agencies may place, and Raytheon may honor, orders exceeding this limit in accordance with FAR 8-404. Ordering agencies are encouraged to seek price reductions for orders in excess of \$750,000.

3. Minimum Order:

The minimum dollar value is \$100.00.

4. Geographic Coverage:

Domestic and Overseas.

5. Points of Production:

To be specified in individual delivery/task orders.

6. Discounts From List Prices:

As negotiated and mutually agreed to for each individual delivery or task order.

7. Prompt Payment Terms:

The contractor, upon completion of the work ordered, shall submit invoices for PES services. Progress payments may be authorized by the ordering office on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

For firm-fixed price orders, the government shall pay the contractor – upon submission of proper invoices or vouchers – the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time and materials orders, the payments under time and materials and labor-hour contracts (Alternate I (APR 1984)) at FAR 52.232-7 applies to time and materials orders placed under this contract. For labor-hour orders, the payment under time and materials and labor-hour contracts (FEB 1997) (Alternate II (JAN 1986)) at FAR 52.232-7 applies to labor-hour orders placed under this contract.

8. Credit Cards:

Government purchase cards are accepted.

9. Ordering Address:

Raytheon Company
12160 Sunrise Valley Drive
Reston, VA 20191
Attn: GSA Contracts Dept.

Phone: 703.295.1513

Fax: 703.295.1519

Email: pes@raytheon.com

Or as specified on individual task proposal.

10. Payment Office:

Address as specified on individual task proposal.

11. Data Universal Numbering System (DUNS) Number:

00 133 9159

12. Central Contractor Registration (CCR):

Raytheon is registered with CCR.

Raytheon PES Services

871-1 Strategic Planning for Technology Programs/Activities

Services required under this SIN involve the definition and interpretation of high-level organizational engineering performance requirements such as projects, systems, missions, etc., and the objectives and approaches to their achievement. Typical associated tasks include, but are not limited to, an analysis of mission, program goals and objectives, requirements analysis, organizational performance assessment, special studies and analysis, training, privatization and outsourcing.

Example: The evaluation and preliminary definition of new or improved performance goals for navigation satellites, such as: launch procedures and costs, multiuser capability, useful service life, accuracy and resistance to natural and man-made electronic interference.

Providing professional engineering services not specifically related to strategic planning for technology programs/activities and its associated disciplines constitutes inappropriate use of this SIN.

871-2 Concept Development and Requirements Analysis

Services required under this SIN involve abstract or concept studies and analysis, requirements definition, preliminary planning, the evaluation of alternative technical approaches and associated costs for the development or enhancement of high-level general performance specifications of a system, project, mission or activity. Typical associated tasks include, but are not limited to, requirements analysis, cost/cost-performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, training, privatization and outsourcing.

Example: The development and analysis of the total mission profile and life cycle of the improved satellite include examination of performance and cost trade-offs.

Providing professional engineering services not specifically related to concept development and requirements analysis and its associated disciplines constitutes inappropriate use of this SIN.

871-3 System Design, Engineering and Integration

Services required under this SIN involve the translation of a system (or subsystem, program, project or activity) concept into a preliminary and detailed design (engineering plans and specifications), performing risk identification/analysis/ mitigation, traceability, and then integrating the various components to produce a working prototype or model of the system. Typical associated tasks include, but are not limited to, computer-aided design, design studies and analysis, high-level detailed specification preparation, configuration management and document control, fabrication, assembly and simulation, modeling, training, privatization and outsourcing.

Example: The navigation satellite concept produced in the preceding stage will be converted to a detailed engineering design package. Performance will be computer simulated and a working model will be built for testing and design verification.

Providing professional engineering services not specifically related to concept development and requirements analysis and its associated disciplines constitutes inappropriate use of this SIN.

871-4 Test and Evaluation

Services required under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited to testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training, privatization and outsourcing.

Example: The navigation satellite working model will be subjected to a series of tests which may simulate and ultimately duplicate its operational environment.

Providing professional engineering services not specifically related to testing and evaluating and its associated disciplines constitutes inappropriate use of this SIN.

871-5 Integrated Logistics Support

Services required under this SIN involve the analysis, planning and detailed design of all engineering specific logistics support including material goods, personnel, operational maintenance, and repair of systems throughout their life cycles. Typical associated tasks include, but are not limited to, ergonomic/human performance analysis, feasibility analysis, logistics planning, requirements determination, policy standards/procedures development, long-term reliability and maintainability, training, privatization and outsourcing.

Example: The full range of life cycle logistics support for the navigation satellite will be identified and designed in this stage including: training, operation and maintenance requirements, and replacement procedures.

Providing professional engineering services not specifically related to integrated logistics support and its associated disciplines constitute inappropriate use of this SIN.

871-6 Acquisition and Life Cycle Management

Services required under this SIN involve all of the planning, budgetary, contract and systems/program management functions required to procure or produce, render operational and life cycle support (maintenance, repair, supplies, engineering specific logistics) to technology-based systems, activities, subsystems, projects, etc. Typical associated tasks include, but are not limited to, operation and maintenance, program/project management, technology transfer/insertion, training, privatization and outsourcing.

Example: During this stage the actual manufacturing, launch, and performance monitoring of the navigation satellite will be assisted through project management, configuration management, reliability analysis, engineering retrofit improvements and similar functions.

Professional engineering services not specifically related to acquisition and life cycle management and associated disciplines constitute inappropriate use of this SIN.

Raytheon Labor Category Descriptions

Rates for categories with and without security clearance requirements are provided on pages 16–18.

Engineering Personnel

Position Title: Subject Matter Engineering Expert

Experience: Minimum of 14 years experience with progressively more complex engineering programs, including five years of specialized experience in a chosen field of expertise. Extensive knowledge of engineering techniques and the application of modern technology to the planning, evaluating, directing and coordinating of broad-based engineering projects.

Functional Responsibility: Maintain close working relationship with engineering and other project personnel to facilitate the fulfillment of program objectives. Provide analysis of complex engineering related problems. Prepare technical reports identifying results of technical studies and make recommendations on appropriate actions to be taken. Assist program management and provide task-oriented supervision to staff. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Engineering Design Supervisor

Experience: Minimum of 10 years experience, with at least three years supervisory experience overseeing the design responsibilities of large, complex engineering projects.

Functional Responsibility: Provide liaison between engineering and design groups. Oversee design support to assure project success. Assign work and review completed materials. Prepare technical reports. Provide guidance to engineering and project personnel. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Principal Engineer

Experience: Minimum of 12 years of experience. Proven ability to manage and apply engineering technology to large, complex engineering projects.

Functional Responsibility: Act as senior technical member of engineering staff. Apply and supervise others in engineering theory, technology, and technique to solve complex engineering problems. Interact with personnel from other disciplines. Review progress, analyze problems and initiate corrective action. Responsible for engineering quality assurance. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineer – Level III

Experience: Minimum of 10 years of experience. Proven ability to successfully apply engineering technology to large, complex engineering projects.

Functional Responsibility: Perform a variety of engineering tasks. Responsible for scheduling, budgets and engineering quality assurance. Provide reviews and reports on the progress of engineering tasks. Interact with personnel from other disciplines. Review staff engineers work, provide guidance and training where appropriate. Work with engineering and project personnel to assure compliance with project standards and the timely delivery of services. Oversee and direct engineering staff. Other duties as assigned.

Education: Bachelor' degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineer – Level II

Experience: Minimum of eight years of experience. Proven ability to successfully apply engineering technology to large, complex engineering projects.

Functional Responsibility: Perform and supervise technical assignments within the approved engineering schedules and budgets. Coordinate technical and administrative activities with those of other disciplines and other departments. Oversee scheduling, budgets and engineering quality assurance. Review staff engineers' work, provide guidance and training. Work with senior engineering and project personnel to as-

sure compliance with project standards and timely delivery of services. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineer – Level I

Experience: Minimum of six years of progressively more complex engineering projects. Extensive knowledge and experience with techniques and technologies.

Functional Responsibility: Perform and supervise technical assignments within the approved engineering schedules and budgets. Coordinate technical and administrative activities with those of other disciplines and other departments. Oversee scheduling, budgets and engineering quality assurance. Review staff engineers' work, provide guidance and training. Work with senior engineering and project personnel to assure compliance with project standards and the timely delivery of services. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Engineer – Level IV

Experience: Minimum of eight years of experience. Proven ability to successfully apply technology to large, complex engineering projects.

Functional Responsibility: Oversee and direct junior engineering staff. Responsible for project scheduling and budgeting. Provide reviews and reports on the progress of engineering tasks. Interact with personnel from other disciplines. Review work of subordinate personnel, providing guidance and training as required. Work with senior engineering and project personnel to assure compliance with project standards and timely delivery of services.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Engineer – Level III

Experience: Minimum of six years of experience. Proven ability to successfully apply engineering technology to engineering projects.

Functional Responsibility: Perform technical assignments within the approved schedules and budgets. Coordinate technical and administrative activities with those of other disciplines and other departments. Provide assistance and guidance to lower-classified engineers and design personnel. Report progress and problems to senior engineering personnel. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Engineer – Level II

Experience: Minimum of two years of engineering experience. Ability to accomplish technical assignments of varying complexities. Knowledge of engineering techniques and technologies.

Functional Responsibility: Work with minimal supervision, perform technical assignments as required. Provide assistance and guidance to associate and support staff as required. Report progress and problems to senior engineering personnel. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Engineer – Level I

Experience: Beginning position for bachelor's degree-level individual. No practical experience required.

Functional Responsibility: Under the supervision of engineering personnel, perform technical assignments through to completion. Work with other technical and administrative personnel to assure coordination between groups. Report progress and problems to senior engineering personnel. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Associate Engineer – Level III

Experience: Minimum of four years of engineering related experience.

Functional Responsibility: Under direct supervision, complete engineering assignments of limited complexity. Assist in the preparation of specifications, reports, data tables and project studies. Other duties as assigned.

Education: Associate's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Associate Engineer – Level II

Experience: Minimum of three years working in an engineering support capacity.

Functional Responsibility: Under direct supervision, complete engineering assignments of limited complexity. Assist in the preparation of specifications, reports, data tables and project studies. Other duties as assigned.

Education: Associate's degree or equivalent with engineering related course work.

Security clearance may be required.

Position Title: Associate Engineer – Level I

Experience: Minimum of two years experience in an engineering support capacity.

Functional Responsibility: Under direct supervision, complete engineering assignments of limited complexity. Assist in the preparation of specifications, reports, data tables and project studies. Other duties as assigned.

Education: Associate's degree or equivalent with engineering related course work.

Security clearance may be required.

Position Title: Engineering Technician

Experience: A minimum of four years progressive experience in an engineering environment or related industry.

Functional Responsibility: Individuals in this position support senior personnel and overall engineering effort across a variety of specialties and support functions. Other duties as assigned.

Education: High school diploma, G.E.D., or equivalent degree program. Formal training directly related to the work performed.

Security clearance may be required.

Engineering Support Staff

Position Title: Sr. Engineering Support – Level VI

Experience: Minimum of 12 years of experience in progressively more complex engineering programs with at least three years experience managing engineering projects. Extensive knowledge and experience in planning, evaluating, directing, and coordinating broad-based engineering projects.

Functional Responsibility: Provide leadership, management, and accountability for programs, projects or task orders. Establish monitoring and reporting standards and procedures. Monitor and report contract compliance, productivity, cost and schedule adherence. Oversee personnel, as well as compliance with training requirements, quality standards and regulatory issues. Primary point-of-contact with the customer. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university. Training which provides substantial knowledge useful in performing and managing engineering projects.

Security clearance may be required.

Position Title: Sr. Engineering Support – Level V

Experience: Minimum of eight years of experience. Proven ability to work with client personnel and upper-level management.

Functional Responsibility: Provide administrative or technical support to meet engineering objectives. Establish monitoring and reporting standards and procedures. Monitor and report contract compliance, productivity, cost and schedule adherence. Supervise staff. May include, but is not limited to, quality control managers, statisticians and business managers. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineering Support – Level IV

Experience: Minimum of five years experience in supporting engineering program activities.

Functional Responsibility: Provide administrative or technical support to meet engineering objectives. Perform support planning, coordination, finance and accounting, or technical tasks within a functional area such as: engineering modeling, fabrication, testing,

logistics engineering and quality control. Depending on specialty, could work closely with one or more supervisors/managers to ensure success of the overall project. Oversee staff. Provide training as required. Other duties as assigned.

Education: Bachelor's degree or equivalent, from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineering Support – Level III

Experience: Minimum of two years general experience supporting engineering program activities.

Functional Responsibility: Provide administrative or technical support to meet engineering objectives. Perform support planning, coordination, finance and accounting, or technical tasks within a functional area such as: engineering modeling, fabrication, testing, logistics engineering and quality control. Depending on specialty, could work closely with one or more supervisors/managers to ensure the overall success of the project. Provide training as required. Other duties as assigned.

Education: Bachelor's degree or equivalent from an accredited college or university.

Security clearance may be required.

Position Title: Sr. Engineering Support – Level II

Experience: Minimum of eight years general experience supporting major engineering program activities.

Functional Responsibility: Provide support to senior administrative and project personnel. Work closely with supervisors/managers to provide needed support. Perform support planning, coordination, finance and accounting, or technical tasks within a functional area. Other duties as assigned.

Education: Associate's degree or equivalent in an appropriate curriculum or major field of study – with additional training.

Security clearance may be required.

Position Title: Sr. Engineering Support – Level I

Experience: Minimum of six years of progressively more responsibility supporting engineering personnel and programs.

Functional Responsibility: Work closely with other administrative personnel. Provide direction to junior personnel, as required. Responsible for coordination of assigned functions, and those of support and project personnel. Other duties as assigned.

Education: Associate's degree or equivalent, with additional training.

Security clearance may be required.

Position Title: Engineering Support – Level VI

Experience: Minimum of five years experience supporting engineering personnel and complex engineering projects.

Functional Responsibility: Under minimal direction, work closely with other administrative and project personnel in accomplishing assigned functions and tasks. Other duties as assigned.

Education: Associate's degree or equivalent.

Security Clearance may be required.

Position Title: Engineering Support – Level V

Experience: Minimum of four years working in an engineering support capacity.

Functional Responsibility: Assist and support other administrative and project personnel in accomplishing assigned functions and tasks. Other duties as assigned.

Education: Associate's degree or equivalent.

Security clearance may be required.

Position Title: Engineering Support – Level IV

Experience: Minimum of eight years experience supporting engineering personnel and projects.

Functional Responsibility: Work closely with other engineering and administrative personnel in accomplishing assigned functions and tasks. Advise supervisor of administrative problems associated with assignments. Other duties as assigned.

Education: High school diploma, G.E.D., or other equivalent degree program.

Security clearance may be required.

Position Title: Engineering Support – Level III

Experience: Minimum of six years experience.

Functional Responsibility: Under supervision of senior support personnel, work closely with engineering and administrative personnel in accomplishing assigned functions and tasks. Advise supervisor of administrative problems associated with assignments. Other duties as assigned.

Education: High school diploma, G.E.D., or other equivalent degree program.

Security clearance may be required.

Position Title: Engineering Support – Level II

Experience: Minimum of four years experience.

Functional Responsibility: Assist and support engineering and management staff and overall engineering effort through the organization and managing of project data. Other duties as assigned.

Education: High school diploma, G.E.D., or other equivalent degree program.

Security clearance may be required.

Position Title: Engineering Support – Level I

Experience: Minimum of two years experience.

Functional Responsibility: Assist and support engineering staff and senior administrative support. Other duties as assigned.

Education: High school diploma, G.E.D., or other equivalent degree program.

Raytheon Engineering Service Unit Descriptions

Rates for Engineering Service units are provided on page 18.

Raytheon Company encompasses many different business units that perform engineering work. Some Business' are uniquely structured to offer complete solutions for different types of engineering requirements through utilizing the Engineering Service unit descriptions below. Each service unit utilizes a single hourly rate that is charged for all performers within that unit that provide labor in support of specific statement-of-work tasks. Engineering and engineering support personnel are grouped into the major engineering disciplines described below.

Systems Engineering – SEO1

All engineering personnel whose principal objective is to direct the technical and management efforts of a totally integrated engineering effort on a system program. This includes definition of the system and the integrated planning and control of the technical program efforts. This effort also includes associated management and direct administrative support functions.

Electrical Engineering – EEO1

All electrical engineering personnel whose principal objective is designing or sustaining products. This effort includes the following functions, plus associated management and administrative support:

- Electrical Design Engineers
- Electrical Engineer Technicians
- IC Design Engineers
- Lab Assistants
- Tool Designers
- Electrical CAD

Mechanical Engineering – MEO1

All mechanical and related engineering personnel involved with designing or sustaining products. This effort includes the following functions plus associated management and administrative support:

- Mechanical Design Engineers
- Mechanical Engineer Technicians
- Mechanical CAD

Software Engineering – SOO1

All software engineering personnel whose principal objective is to accomplish specific software design/implementation tasks. These tasks involve the

support of detailed design, coding, test, verification, and support of software systems and subsystems. This effort includes the following functions, plus associated management and administrative support:

- Software Configuration Mgmt. (SCM)
- Software Design Engineers
- Software Engineer Technicians
- Software Quality Engineers (SQE)
- Software Systems Engineers

Test Engineering – TEO1

All test engineering personnel whose principal objective is the application of disciplines to develop and implement process oriented diagnostics. This includes on-line and off-line test capabilities to detect and isolate faults that may occur during the life of the product. This effort also includes associated management and administrative support.

Adv. Tech and Comp. Design

Engineering – A TO1

All personnel involved with process development, characterization implementation, and/or sustaining associated with specialized high-technology engineering. This effort includes the following functions, plus associated management and administrative support:

- Advanced Power Supplies
- Antenna/Nonmetallics and Antenna Sys.
- Cryogenics
- Focal Plane Arrays
- Hybrid Microcircuits
- Linear and Digital Integrated Circuits
- Optical Lenses

- Surface Mount Technology
- Uncooled Detectors
- Microwave and Millimeter Wave Monolithic
- Integrated Circuits, Components and Modules

Program Management – PMO1

All personnel involved with managing programs. These employees have the responsibility of business and administrative planning, customer interface, contract acquisition and execution, profitability, organizing, directing, coordinating, controlling, and the approval actions designed to accomplish overall project objectives which are not associated with specific hardware items and are not included in system engineering. This effort includes the following functions, plus associated management and administrative support:

- Business Systems Support
- Financial Control and Analysis
- Program Management
- Program Office Support
- Management Support Activities

Production Support

Engineering – PSO1

All personnel involved with the definition and documentation of program data requirements, technical publications, and the generation, release, control, status accounting, maintenance and storage of the technical data package (ECN's, ECPs, NOR, waivers and deviations). This effort includes the following functions, plus associated management and administrative support:

- Data Management
- Photography
- Hardware Configuration
- Technical Publications

Design Support Engineering – DSO1

All design support and engineering support personnel whose primary objectives include interpretation of specifications, planning and implementation of program and test activities which will impact the design of equipment, and measure or demonstrate the de-

gree of achievement of design objectives. This category also includes project quality assurance engineers supporting developmental efforts, and personnel whose principal job includes the planning and execution of support provided for the product in the field. This effort includes the following functions, plus associated management and administrative support:

- Design Support Logistics
- Maintainability
- Producibility
- Reliability
- Systems Automation
- Project Quality Assurance
- Supporting Developmental efforts

Optical Engineering – OE01

All engineering personnel whose principal objectives are the design and manufacture or sustaining of optics, optical assemblies and optical subsystems which are derived from glass, metal, or advanced materials. This effort includes the following functions, plus associated management and administrative support:

- Optical Design Engineers
- Optical Technicians
- Specialized Optics
- Large Optical Assemblies
- Optics and Polishing Tool Design
- Production of Large Optical Elements
- Phases of Optical Program
- Design and Manufacture of Optical Measurement Tools
- Development of Polishing Techniques for Advanced Optical Materials
- Perform Measurements on Nonstandard optics/coatings during in-process and final acceptance

Field Service Engineering – FE01

All domestic and foreign personnel who are assigned to remote locations and qualify as field service repre-

sentatives according to standard procedures. This effort also includes associated management and administrative support.

Operations Support – MS01

This designation includes all personnel needed to support the operations/manufacturing shops. This effort includes the following functions, plus associated management and administrative support:

- Administration
- Environmental Test
- Equipment Support and Control
- Manufacturing Engineering
- Quality and Productivity Programs
- Process Engineering
- Incoming Inspection/Test
- Production Control
- Process Engineering
- Standard Lab/Calibration/Maintenance financial Operations
- Tolling/STE Manufacturing
- Packaging and Shipping

Raytheon Labor Category Price List

Labor Category	5/1/05 - 5/15/06	5/16/06 - 5/15/07	5/16/07 - 5/15/08	5/16/08 - 5/15/09	5/16/09 - 5/18/10
Engineering Personnel Rates					
Subject Matter Eng. Expert	\$155.99	\$160.67	\$165.50	\$170.46	\$175.58
Subject Matter Eng. Expert (Required Clearance)	\$249.39	\$256.86	\$264.57	\$272.50	\$280.67
Engineering Design Supervisor	\$119.21	\$122.80	\$126.49	\$130.29	\$134.20
Engineering Design Supervisor (Required Clearance)	\$249.39	\$256.86	\$264.57	\$272.50	\$280.67
Principal Engineer	\$141.91	\$146.17	\$150.55	\$155.06	\$159.71
Principal Engineer (Required Clearance)	\$249.39	\$256.86	\$264.57	\$272.50	\$280.67
Sr. Engineer – Level III	\$134.20	\$138.23	\$142.39	\$146.66	\$151.07
Sr. Engineer Level III (Required Clearance)	\$208.89	\$215.15	\$221.61	\$228.25	\$235.10
Sr. Engineer – Level II	\$127.39	\$131.22	\$135.17	\$139.23	\$143.41
Sr. Engineer Level II (Required Clearance)	\$179.80	\$185.19	\$190.74	\$196.46	\$202.34
Sr. Engineer – Level I	\$115.77	\$119.25	\$122.83	\$126.52	\$130.33
Sr. Engineer – Level I (Required Clearance)	\$151.67	\$156.22	\$160.90	\$165.73	\$170.69
Engineer – Level IV	\$99.68	\$102.67	\$105.75	\$108.91	\$112.18
Engineer – Level IV (Required Clearance)	\$134.55	\$138.60	\$142.76	\$147.05	\$151.46
Engineer – Level III	\$90.51	\$93.22	\$96.02	\$98.90	\$101.87
Engineer – Level III (Required Clearance)	\$128.13	\$131.97	\$135.93	\$140.00	\$144.19
Engineer – Level II	\$82.10	\$84.55	\$87.09	\$89.69	\$92.38
Engineer – Level II (Required Clearance)	\$109.96	\$113.27	\$116.67	\$120.17	\$123.77
Engineer – Level I	\$75.21	\$77.46	\$79.79	\$82.18	\$84.65
Engineer – Level I	\$96.16	\$99.04	\$102.01	\$105.07	\$108.23
Associate Engineer – Level III (Required Clearance)	\$67.55	\$69.58	\$71.67	\$73.83	\$76.05
Associate Engineer – Level III (Required Clearance)	\$91.36	\$94.10	\$96.92	\$99.82	\$102.82
Associate Engineer – Level II	\$61.63	\$63.48	\$65.39	\$67.35	\$69.38
Associate Engineer – Level II (Required Clearance)	\$86.55	\$89.14	\$91.81	\$94.56	\$97.39
Associate Engineer – Level I	\$59.40	\$61.18	\$63.02	\$64.92	\$66.87
Associate Engineer – Level I (Required Clearance)	\$81.73	\$84.17	\$86.69	\$89.29	\$91.96
Engineering Technician	\$55.50	\$57.16	\$58.87	\$60.63	\$62.45
Engineering Technician (Required Clearance)	\$76.93	\$79.24	\$81.62	\$84.08	\$86.60

Labor Category	5/1/05 - 5/15/06	5/16/06 - 5/15/07	5/16/07 - 5/15/08	5/16/08 - 5/15/09	5/16/09 - 5/18/10
Engineering Support Staff Rates					
Sr. Engineering Support – Level VI	\$128.82	\$132.69	\$136.66	\$140.76	\$144.98
Sr. Engineering Support – Level VI (Required Clearance)	\$208.89	\$215.15	\$221.61	\$228.25	\$235.10
Sr. Engineering Support – Level V	\$112.89	\$116.29	\$119.78	\$123.37	\$127.08
Sr. Engineering Support – Level V (Required Clearance)	\$179.80	\$185.19	\$190.74	\$196.46	\$202.34
Sr. Engineering Support – Level IV	\$95.27	\$98.13	\$101.08	\$104.12	\$107.24
Sr. Engineering Support – Level IV (Required Clearance)	\$151.67	\$156.22	\$160.90	\$165.73	\$170.69
Sr. Engineering Support – Level III	\$91.36	\$94.10	\$96.92	\$99.82	\$102.82
Sr. Engineering Support – Level III (Required Clearance)	\$128.13	\$131.97	\$135.93	\$140.00	\$144.19
Sr. Engineering Support – Level II	\$81.85	\$84.31	\$86.84	\$89.45	\$92.13
Sr. Engineering Support – Level II (Required Clearance)	\$109.96	\$113.27	\$116.67	\$120.17	\$123.77
Sr. Engineering Support – Level I	\$75.21	\$77.46	\$79.79	\$82.18	\$84.65
Sr. Engineering Support – Level I (Required Clearance)	\$96.16	\$99.04	\$102.01	\$105.07	\$108.23
Engineering Support – Level VI	\$63.66	\$65.57	\$67.53	\$69.56	\$71.64
Engineering Support – Level VI (Required Clearance)	\$103.13	\$106.22	\$109.42	\$112.70	\$116.09
Engineering Support – Level V	\$56.75	\$58.45	\$60.21	\$62.02	\$63.89
Engineering Support – Level V (Required Clearance)	\$98.20	\$101.15	\$104.18	\$107.30	\$110.51
Engineering Support – Level IV	\$52.73	\$54.31	\$55.94	\$57.62	\$59.35
Engineering Support – Level IV (Required Clearance)	\$91.19	\$93.93	\$96.75	\$99.65	\$102.65
Engineering Support – Level III	\$47.77	\$49.20	\$50.69	\$52.21	\$53.78
Engineering Support – Level III (Required Clearance)	\$86.84	\$89.44	\$92.12	\$94.89	\$97.73
Engineering Support – Level II	\$41.65	\$42.89	\$44.18	\$45.50	\$46.86
Engineering Support – Level II (Required Clearance)	\$73.15	\$75.34	\$77.59	\$79.91	\$82.30
Engineering Support – Level I	\$34.66	\$35.70	\$36.78	\$37.89	\$39.03
Engineering Support – Level I (Required Clearance)	\$60.79	\$62.61	\$64.48	\$66.41	\$68.39

Raytheon Engineering Service Unit Price List

Labor Category	5/1/05 - 5/15/06	5/16/06 - 5/15/07	5/16/07 - 5/15/08	5/16/08 - 5/15/09	5/16/09 - 5/15/10
Engineering Service Unit Code					
System Engineering – SE01	\$181.88	\$188.89	\$196.16	\$203.71	\$211.55
Electrical Engineering – EE01	\$174.56	\$181.28	\$188.26	\$195.51	\$203.04
Mechanical Engineering – ME01	\$160.08	\$166.25	\$172.65	\$179.29	\$186.20
Software Engineering – SO01	\$180.97	\$187.93	\$195.17	\$202.68	\$210.49
Test Engineering – TE01	\$141.53	\$146.98	\$152.64	\$158.52	\$164.62
Adv. Tech.and Comp. Design – AT01	\$169.25	\$175.77	\$182.53	\$189.56	\$196.86
Program Management – PM01	\$186.03	\$193.19	\$200.63	\$208.35	\$216.37
Production Support Eng. – PS01	\$112.85	\$117.20	\$121.71	\$126.39	\$131.26
Design Support Eng. – DS01	\$123.15	\$127.90	\$132.82	\$137.93	\$143.24
Optical Engineering – OE01	\$182.93	\$189.97	\$197.28	\$204.88	\$212.77
Operations Support – MS01	\$154.38	\$160.32	\$166.49	\$172.90	\$179.56
Field Service Engineering – FE01	\$106.49	\$110.59	\$114.85	\$119.27	\$123.87

Engineering Service units **ONLY** are escalated by 3.85 percent for the out years.

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Raytheon Company
12160 Sunrise Valley Drive
Reston, Virginia 20191
703.295.1513 phone
703.295.1519 fax
pes@raytheon.com

Raytheon
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