URS

FEDERAL TECHNICAL SERVICES, INC.

PROFESSIONAL ENGINEERING SERVICES (PES)

FSC Group 871	
Special Item No. 871-1(RC)	Strategic Planning for Technology Programs/Activities
Special Item No. 871-2(RC)	Concept Development and Requirements Analysis
Special Item No. 871-3(RC)	System Design, Engineering and Integration
Special Item No. 871-4(RC)	Test and Evaluation
Special Item No. 871-5(RC)	Integrated Logistics Support
Special Item No. 871-6(RC)	Acquisition and Life-Cycle Management

Contract Number: GS–23F-0108J
Total Contract Period: September 1, 1999 – August 31, 2014
Option Contract Period 2: October 1, 2009 – August 31, 2014
Accepted Mod A378, dated June 2, 2014

GSA PES Program Management Office
20501 Seneca Meadows Parkway, Suite 300
Germantown, MD 20876
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Web site: http://www.urscorp.com/Markets/contractVehicles.php

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

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INTRODUCTION

URS Vision

To create value in an environment of ever accelerating change

URS Corporation is a fully integrated engineering, construction and technical services organization with the capabilities to support every stage of the project life cycle—from inception through start-up and operation to decommissioning and closure. We offer program management; planning, design and engineering; systems engineering and technical assistance; construction and construction management; operations and maintenance; and decommissioning and closure services.

Through our network of offices across the United States and in more than 40 countries, we provide services to a broad range of clients around the world, including U.S. federal government agencies, national governments of other countries, state and local government agencies in the United States and internationally, and private sector clients worldwide representing a wide variety of industries. Our work is focused in four key market sectors: federal, infrastructure, power, and industrial and commercial. Within each of these markets, our comprehensive skills and expertise are a valued resource to clients around the world.

URS Facts:

- $9.18B in revenue (2010)
- 47,000 employees
- #252 on FORTUNE Magazine's List of America's 500 Largest Companies
- Ranked #6 Largest Federal Civilian Contractor by *Government Executive*
- Ranked #19 in the Top 100 Defense Contractors Worldwide by *Defense News*

URS Federal Services Features	Customer Benefits
More than 50 years experience in "hands-on" management and technical support to a wide range of Government customers	Historical big picture system/mission knowledge with aspirations for what can be
Decentralized organization with authority at the lowest level	All decision-making authority resident at the GSA schedule level
National reputation as an ethical Government partner	Responsible, responsive prime contractor
Active/interested corporate management	Commitment, not idle promises
Dynamic team culture emphasizing customer partnering, subcontractor mentoring and community involvement	A comprehensive, integrated, flexible and friendly work unit
Strong management processes based on extensive Indefinite Delivery/Indefinite Quantity (ID/IQ) contract experience	Experienced ID/IQ prime contractor that can hit the ground running without an expensive learning curve
Results-oriented business and management approach and processes used in Government and commercial environments	Proven management and business acumen to enhance customer capabilities
Customer-focused, process-based commitment to change—creating the future by improving on the past	Continuous improvement of management, business and technical processes to support 21st century missions

Our Commitment

URS Federal Technical Services is a company renowned for quality services and products, superior technology, and financial strength. We earn trust by operating with integrity and by demonstrating our long-term commitment to the markets we serve. We provide powerful solutions by offering superior services, products, and support to our customers. URS Federal Technical Services offers unparalleled cross-industry expertise, opportunities to gain from synergies across business, and a commitment to provide ongoing support to individual customers and markets.

We understand the critical issues and challenges that are facing our customers, and we will work as committed partners to create innovative solutions. Our team of companies provides exceptional value by proactively helping to articulate your needs, and by responding quickly and effectively to support your success. We know that you take your responsibilities very seriously and you can count on us to do what we say.

URS Federal Technical Services' Commitment to Promote Small Business Participation Procurement Programs

URS Federal Technical Services strongly supports the participation of small business concerns in the Federal Supply Schedules Program. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting. We will

- actively seek and partner with small businesses.
- identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.
- undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business concerns to supply products and services to our company.
- ensure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.
- attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

GSA AUTHORIZED FEDERAL SUPPLY SERVICE SCHEDULE PRICE LIST AND CATALOG

Title: Professional Engineering Services (PES)
FSC Class(es): 871-1(RC), 871-2(RC), 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)
Contract Number: GS-23F-0108J
Contract Period: October 1, 2009 thru August 31, 2014

Point of Contact: Mr. Kyle Renehan
Director, Contracts
Phone: (301) 944-3224
Facsimile: (301) 944-3062
Email: kyle.renehan@urs.com

Business Size: LARGE – NAICS 541330, 541712

Tax ID Numbers (TIN)
URS Federal Technical Services, Inc: 51-0391628
Common Parent: URS Corporation: 94-1381538

Central Contractor Registration (CCR)/DUNS No.
083070925
CAGE Code**:** 34157

Contractor's Ordering Address
URS Federal Technical Services
20501 Seneca Meadows Parkway, Suite 300
Germantown, MD 20876

Remittance Address (Regular Mail)
URS Federal Technical Services, Inc.
P.O. Box 116323
Atlanta, GA 30368-6323

EFT: Remittance Address (Electronic Payments)
Wells Fargo Bank.
Account Name: URS Federal Technical Services, Inc.
ABA Routing #: 121000248
Account #: 4121379242

INFORMATION FOR ORDERING ACTIVITIES

1. See Table of Contents of this Price List
2. Maximum Order Limitation. $1,000,000.00 (Orders may exceed this amount; however, this is the threshold where ordering activities may seek a price reduction.)
3. Minimum Order. $100.00
4. Geographic Coverage (delivery area). All geographic areas
5. Point(s) of Production. As negotiated in order. URS Federal Technical Services' facilities are listed below.
6. Discount from List Prices or Statement of Net Price. A "Spot Reduction Discount" may be negotiated for orders over the maximum order value.
7. Other Discounts. None
8. Government Commercial Credit Card. Accepted
9. Terms and Conditions of Government Commercial Credit Card Acceptance. Applicable and determined on a case-by-case basis
10. Government Commercial Credit Card will be accepted over the micro-purchase threshold.
11. Export Packing Charges. Not Applicable
12. Prompt Payment Terms. Net 30
13. Foreign Items (list items by country of origin). None
14. Time of Delivery. 30 days after order or as negotiated in order
15. Expedited Delivery. Items available for expedited delivery are noted in this price list by an "*".
16. Liability for Injury or Damage: URS Federal Technical Services shall not be liable for any injury to Government personnel or damage to Government property arising from the use of equipment maintained by URS Federal Technical Services unless such injury or damage is due to the fault or negligence of URS Federal Technical Services.
17. FOB Destination: All completed performance will be made FOB destination within Continental United States (CONUS). An additional charge (applicable labor and Joint Travel Regulations (JTR) travel and per diem) will be included in the negotiations of each order, as requested by the government for URS Federal Technical Services' representation for on-site inspection, acceptance testing and/or installations CONUS and Outside Continental United States (OCONUS) shipments made FOB Destination to U.S. Government designated shipping points. FOB (Services) will be negotiated between ordering agency and URS Federal Technical Services.
18. Trade Agreements Act of 1979 As Amended: All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.
19. Overnight and 2-day Delivery. Overnight and 2-Day delivery is available if negotiated in order.
20. Urgent Requirements. Please contact our representative to affect a faster delivery.
21. List of service and distribution points (if applicable). The URS Federal Technical Services' facilities participating under this schedule are shown on the following page.
22. Disaster Recovery Purchasing. URS Federal Technical Services has voluntarily accepted the terms of the Disaster Recovery Purchasing modification which authorizes the Administrator of General Services to provide for the use of federal supply schedules by state and local governments for the purchase of products and services to be used to facilitate recovery from major disasters, terrorism, or nuclear, biological, chemical, or radiological attacks under SIN 871-1(RC), 871-2(RC), 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)
23. American Recovery and Reinvestment Act: URS Federal Technical Services has accepted the terms and conditions of mass modification (FX75) and can accept orders under the American Recovery and Reinvestment Act (Recovery Act) of 2009, from Federal, state or local ordering activities via our GSA Schedule contract.

URS FEDERAL TECHNICAL SERVICES PARTICIPATING FACILITIES

P.O. Box 5396
Ft. McClelland, AL 38205

150 West Park Loop
Suite 202
Huntsville, AL 35806

P.O. Box 5307
Vandenberg AFB, CA 93437

349B Mitchell Street
Groton, CT 06340

1173 NW 159th Drive
Sunshine State Int'l Park
Miami, FL 33169

400 West Central Boulevard
Cape Canaveral, FL 32920

1140 Commerce Road
c/o Advanced Dist.
Morrow, GA 30260

P.O. Box 3321
Idaho Falls, ID 83403-3321

Route 6, Box 18
Bloomfield, IN 47424

300 M Street SE
Suite 400
Washington, DC 20003

20501 Seneca Meadows Parkway
Suite 300
Germantown, MD 20876

9639 Doctor Perry Road
Suite 214S
Ijamsville, MD 21754-8758

4401 Indian Head Highway
Suite 2
Indian Head, MD 20640

22289 Exploration Drive
Suite 304
Lexington Park, MD 20653

1325 East West Highway
Station 17205
Silver Spring, MD 20910

55 Broadway, DTS 927
Cambridge, MA 02142

601 East 12 Street
Kansas City, MO 64106

P.O. Box 9100
Albuquerque, NM 87119

P.O. Box 93747
Las Vegas, NV 89193-3747

Calle Recinto Sur 301, Suite 703
Corudoming Bollordo
San Juan, PR 00901

Two Corporate Park, 3rd Floor
Newport Corporate Park
Middletown, RI 02842-6294

280 Dover Street, Building 1537
Door 23A
San Antonio, TX 78246

143 Billy Mitchell Boulevard
Building 43, Suite 6
Kelly AFB, TX 78241-6016

2450 Crystal Drive
Suite 500
Arlington, VA 22202-3828

16156 Dahlgren Road
P.O. Box 552
Dahlgren, VA 22448-0552

P.O. Box 65612
Hampton, VA 23665

10687 Gaskins Way
Suite 101
Manassas, VA 20109

4565 Progress Road
Suite 1C
Norfolk, VA 23502

595 Shrewsbury Avenue
Shrewsbury, NJ 07702

Wallops Flight Facility
Building N-149, E. Rm 203
Wallops Island, VA 23337-1114

3600 Pointe Center Ct.
Suite 150
Dumfries, VA 22026

1115 Garrisonville Road
Stafford, VA 22556

16 Center Street
Suite 203
Stafford, VA 22556

3604 Collins Ferry Road
Morgantown, WV 26505-2353

11600 Stark Road
Tooele, UT 84074

100 Middlesex Avenue
Carteret, NJ 07008

1981 E. 213th Street
Carson, CA 90749

This list is not inclusive of all participating facilities

TERMS AND CONDITIONS

1.0 SCOPE

a. Services provided under Special Item Numbers (SINs) 871-1(RC), 871-2(RC), 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC) Professional Engineering Services (PES) apply to all Federal agencies, both civilian and Defense.

b. The prices, terms and conditions stated under SINs 871-1(RC), 871-2(RC), 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC) PES apply exclusively to PES within the scope of this Schedule.

c. URS Federal Technical Services shall provide services at URS Federal Technical Services' facility and/or at the Government location, as agreed to by URS Federal Technical Services and the ordering office. "On-site" pricing schedules reflect work to be performed at URS Federal Technical Services' facilities; "off-site" pricing reflects work performed at customer locations. An adjusted rate is required for services to be performed in the geographic areas of Hawaii, Alaska and the Commonwealth of Puerto Rico.

d. For work that is done outside of the continental United Stated (OCONUS) under this schedule, URS will utilize the appropriate US State Department post differential and hazard pay premiums which will be added to the applicable GSA rate(s).

2.0 ORDERING PROCEDURES

a. Procedures for PES Priced on GSA Schedule at Hourly Rates

(1) GSA has determined that the rates for PES contained in this price list are fair and reasonable. However, the ordering office using this contract is responsible for considering the level of effort and mix of labor proposed to perform a specific task being ordered and for making a determination that the total firm fixed price or ceiling price is fair and reasonable.

(2) When ordering PES, ordering offices shall –

(i) Prepare a Request for Proposal (RFP).

(A) Prepare a performance-based Statement of Work (SOW) that outlines, at a minimum, the work to be performed, location of work, period of performance, deliverable schedule, applicable standards, acceptance criteria, and any special requirements (security clearances, travel, special knowledge, etc.).

(B) Prepare an RFP that includes the performance-based SOW and requests URS Federal Technical Services to submit either a firm fixed price or a ceiling price to provide the services outlined in the SOW. A firm fixed-price order shall be requested, unless the ordering office makes a determination that it is not possible at the time of placing the order to estimate accurately the extent or duration of the work or to anticipate costs with any reasonable degree of confidence. When such a determination is made, a labor-hour or time-and-materials proposal may be requested. The firm fixed price shall be based on the hourly rates in the Schedule contract and shall consider the mix of labor categories and level of effort required to perform the services described in the SOW. The firm fixed price of the order should also include any travel costs or other incidental costs related to performance of the services ordered, unless the order provides for reimbursement of travel costs at the rates provided in the Federal Travel Regulations or JTR. A ceiling price must be established for labor-hour and time-and-materials orders.

(C) The RFP may request URS Federal Technical Services, if necessary or appropriate, to submit a project plan for performing the task and information on URS Federal Technical Services experience and/or past performance performing similar tasks.

(D) The RFP shall notify URS Federal Technical Services of the basis to be used for selecting the Schedule Contractor to receive the order. The notice shall include the basis for determining whether URS Federal Technical Services is technically qualified and provides an explanation regarding the intended use of any experience and/or past performance information in determining technical acceptability of responses. If consideration will be limited to Schedule contractors who are small business concerns, the RFP shall notify URS Federal Technical Services that this will be the case.

(ii) Transmit the RFP to Contractors

(A) Based on an initial evaluation of catalogs and pricelists, the ordering office should notify URS Federal Technical Services that it appears to offer the best value (considering the scope of services offered, hourly rates and other factors such as contractor locations, as appropriate).

(B) The RFP should be to three contractors if the proposed order is estimated to exceed the micro-purchase threshold, but not to exceed the maximum order threshold. For proposed orders exceeding the maximum order threshold, the RFP should be provided to additional contractors who offer services that will meet the agency's needs. Ordering offices should strive to minimize URS Federal Technical Services' costs associated with responding to RFPs for specific orders. Requests should be tailored to the

minimum level necessary for adequate evaluation and selection for order placement.

(iii) After responses have been evaluated against the factors identified in the RFP, the order should be placed with the Schedule Contractor who represents the best value and results in the lowest overall cost alternative (considering price, special qualifications, administrative costs, etc.) to meet the Government's needs.

(iv) Agencies may use written orders, Electronic Data Interchange (EDI) orders, Blanket Purchase Agreements (BPAs), individual purchase orders, or task orders for ordering services under this contract.

(v) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

(3) Establishment of Federal Supply Schedule BPAs for recurring services is permitted (FAR 8.404) when the procedures outlined herein are followed. All BPAs for services must define the services that may be ordered under the BPA, along with delivery or performance time frames, billing procedures, etc. The potential volume of orders under BPAs, regardless of the size of individual orders, may offer the ordering office the opportunity to secure volume discounts. When establishing BPAs, ordering offices shall –

(i) Inform contractors in the RFP (based on the agency's requirement) whether a single BPA or multiple BPAs will be established, and indicate the basis that will be used for selecting the Schedule Contractor to be awarded the BPAs.

(A) Single BPA: Generally, a single BPA should be established when the ordering office can define the tasks to be ordered under the BPA and establish a firm fixed price or ceiling price for individual tasks or services to be ordered. When this occurs, authorized users may place the order directly under the established BPA when the need for service arises. The Schedule Contractor who represents the best value and results in the lowest overall cost alternative to meet the agency's needs should be awarded the BPA.

(B) Multiple BPAs: When the ordering office determines multiple BPAs are needed to meet its requirements, the ordering office should determine which contractors can meet any technical qualifications before establishing the BPAs. When multiple BPAs are established, the authorized users must follow the procedure in (2)(ii)(B) above, and then place the order with the Schedule Contractor who represents the best value and results in the lowest overall cost alternative to meet the agency's needs.

(ii) Review BPAs periodically. Such reviews shall be conducted at least annually. The purpose of the review is to determine whether the BPA still represents the best value (considering price, special qualifications, etc.) and results in the lowest overall cost alternative to meet the agency's needs.

(iii) BPAs shall not extend beyond the end of the contract period; all services and deliveries shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks that extend beyond the fiscal year for which funds are available shall include Federal Acquisition Regulation (FAR) 52.232-19 Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.

(4) The ordering office should give preference to small business concerns when two or more contractors can provide the services at the same firm fixed price or ceiling price.

(5) When the ordering office's requirement involves both products as well as PES, the ordering office should total the prices for the products and the firm fixed price for the services and select the Schedule Contractor that represents the greatest value in terms of meeting the agency's total needs.

(6) The ordering office, at a minimum, should document orders by identifying URS Federal Technical Services as the source the services were purchased from, the services purchased, and the amount paid. If other than a firm fixed-price order is placed, such documentation should include the basis for the determination to use a labor-hour or time-and-materials order. For agency requirements in excess of the micro-purchase threshold, the order file should document the evaluation of Schedule Contractors' proposals that formed the basis for selecting the Schedule Contractor that received the order and the rationale for any trade-offs made in making the selection.

b. Ordering Procedures for Other Services Available on Schedule at Fixed Prices for Specifically Defined Services or Tasks

Orders placed pursuant to a Multiple Award Schedule (MAS), using the procedures in FAR 8.404, are considered to be issued pursuant to full and open competition. Therefore, when placing orders under Federal Supply Schedules, ordering offices need not seek further competition, synopsize the requirement, make a separate determination of fair and reasonable pricing, or consider small business set-asides in accordance with Subpart 19.5. GSA has already determined the prices of items under Schedule contracts to be fair and reasonable. By placing an order against a

Schedule using the procedures outlined below, the ordering office has concluded that the order represents the best value and results in the lowest overall cost alternative (considering price, special features, administrative costs, etc.) to meet the Government's needs.

(1) Orders placed at or below the micro-purchase threshold. Ordering offices can place orders at or below the micro-purchase threshold with any Federal Supply Schedule Contractor.

(2) Orders exceeding the micro-purchase threshold but not exceeding the maximum order threshold. Orders should be placed with the Schedule Contractor that can provide the supply or service that represents the best value. Before placing an order, ordering offices should consider reasonably available information about the service offered under MAS contracts by using the "GSA Advantage!" online shopping service, or by reviewing the catalogs/pricelists of at least three Schedule Contractors and selecting the delivery and other options available under the Schedule that meets the agency's needs. In selecting the service representing the best value, the ordering office may consider: (i) special features of the service that are required in effective program performance and that are not provided by a comparable service; and (ii) past performance.

(3) Orders exceeding the maximum order threshold. Each Schedule contract has an established maximum order threshold. This threshold represents the point where it is advantageous for the ordering office to seek a price reduction. In addition to following the procedures in paragraph b, above, and before placing an order that exceeds the maximum order threshold, ordering offices shall-

(i) Review additional Schedule Contractors' catalogs/price lists or use the "GSA Advantage!" online shopping service.

(ii) Based upon the initial evaluation, generally seek price reductions from the Schedule Contractor(s) appearing to provide the best value (considering price and other factors).

(iii) After price reductions have been sought, place the order with the Schedule Contractor that provides the best value and results in the lowest overall cost alternative. If further price reductions are not offered, an order may still be placed, if the ordering office determines that it is appropriate.

NOTE: For orders exceeding the maximum order threshold, URS Federal Technical Services may

(A) offer a new lower price for this requirement (the Price Reductions clause is not applicable to orders placed over the maximum order in FAR 52.216-19 Order Limitations);

(B) offer the lowest price available under the contract; or

(C) decline the order (orders must be returned in accordance with FAR 52.216-19).

(4) Price reductions. In addition to the circumstances outlined in paragraph (3) above, there may be instances when ordering offices will find it advantageous to request a price reduction. For example, when the ordering office finds a Schedule service elsewhere at a lower price or when a BPA is being established to fill recurring requirements, requesting a price reduction could be advantageous. The potential volume of orders under these agreements, regardless of the size of the individual order, may offer the ordering office the opportunity to secure greater discounts. Schedule Contractors are not required to pass on to all schedule users a price reduction extended only to an individual agency for a specific order.

(5) Small business. For orders exceeding the micro-purchase threshold, ordering offices should give preference to the items of small business concerns when two or more items at the same delivered price will satisfy the requirement.

(6) Documentation. Orders should be documented, at a minimum, by identifying URS Federal Technical Services as the source the item was purchased from, the item purchased, and the amount paid. If an agency requirement in excess of the micro-purchase threshold is defined so as to require a particular brand name, product, or feature of a product peculiar to one manufacturer, thereby precluding consideration of a product manufactured by another company, the ordering office shall include an explanation in the file as to why the particular brand name, product, or feature is essential to satisfy the agency's needs.

(c) Purchase of Incidental, Nonschedule Items

For administrative convenience, open market (noncontract) items may be added to a Federal Supply Schedule BPA or an individual order, provided that the items are clearly labeled as such on the order, all applicable regulations have been followed, and price reasonableness has been determined by the ordering activity for the open market (noncontract) items.

3.0 SECURITY REQUIREMENTS

In the event security requirements are necessary, the ordering activities may incorporate, in their delivery orders, a security clause in accordance with current laws, regulations, and individual agency policy; however, the burden of administering the security

requirements shall be with the ordering agency. If any costs are incurred as a result of the inclusion of security requirements, such costs will not exceed $100,000 or ten percent of the total dollar value of the order, whichever is less.

4.0 Performance of Services

a. URS Federal Technical Services shall commence performance of services on the date agreed to by URS Federal Technical Services and the ordering office.

b. URS Federal Technical Services agrees to render services only during normal working hours, unless otherwise agreed to by URS Federal Technical Services and the ordering office.

c. URS Federal Technical Services guarantees the satisfactory completion of the PES performed under the task order and that all contract personnel used in the performance of PES under the task order shall have the education, experience, and expertise as stated in the task order.

d. Any contractor travel required in the performance of PES must comply with the Federal Travel Regulations or JTRs, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all contractor travel. Contractors cannot use GSA city pair contracts.

5.0 Inspection of Services

The Inspection of Services–Fixed Price (AUG 1996) clause at FAR 52.246-4 applies to firm fixed-price orders placed under this contract. The Inspection Time-and-Materials and Labor-Hour (FEB 2007) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

6.0 Responsibilities of URS Federal Technical Services

URS Federal Technical Services shall comply with all laws, ordinances, and regulations (Federal, State, city, or otherwise) covering work of this character.

7.0 Responsibilities of the Government

Subject to security regulations, the ordering office shall permit contractor access to all facilities necessary to perform the requisite PES Services.

8.0 Independent Contractor

All PES performed by URS Federal Technical Services under the terms of this contract shall be as an independent contractor, and not as an agent or employee of the Government.

9.0 Organizational Conflicts of Interest

a. Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to URS Federal Technical Services, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, consultants and any joint venture involving URS Federal Technical Services, any entity into or with which URS Federal Technical Services subsequently merges or affiliates, or any other successor or assignee of URS Federal Technical Services.

An "organizational conflict of interest" exists when the nature of the work to be performed under a proposed Government contract, without some restriction on activities by URS Federal Technical Services and its affiliates, may either (i) result in an unfair competitive advantage to URS Federal Technical Services or its affiliates, or (ii) impair the objectivity of URS Federal Technical Services or its affiliates in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the Government, ordering offices may place restrictions on URS Federal Technical Services, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against Schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the Schedule contract. Examples of situations that may require restrictions are provided at FAR 9.508.

10.0 URS Federal Technical Services Commitments, Warranties and Representations

a. For the purpose of this contract, commitments, warranties and representations include the following, in addition to those agreed to for the entire Schedule contract:

(1) Time of delivery/installation quotations for individual orders

(2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/service/software package submitted

in response to requirements that result in orders under this Schedule contract

(3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by URS Federal Technical Services

b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

11.0 Overseas Activities

Prices offered include delivery to destinations located within the 48 contiguous States and the District of Columbia. The prices offered do not include delivery FOB destinations in Alaska, Hawaii, the Commonwealth of Puerto Rico, and such overseas locations as specified.

When deliveries are made to destinations outside the 48 contiguous States; i.e., Alaska, Hawaii, the Commonwealth of Puerto Rico, and such overseas locations as specified, the following conditions will apply:

- Delivery will be FOB inland carrier, point of exportation (FAR 52.247-38), with the transportation charges to be paid by the Government from point of exportation to destination in Alaska, Hawaii, the Commonwealth of Puerto Rico, and such overseas locations specified, as designated by the ordering office. The contractor shall add the actual cost of transportation to destination from the point of exportation in the 48 contiguous States nearest to the designated destination. Such costs will, in all cases, be based upon the lowest regularly established rates on file with the Interstate Commerce Commission, the U.S. Maritime Commission (if shipped by water), or any State regulatory body, or those published by the U.S. Postal Service, and must be supported by paid freight or express receipt or by a statement of parcel post charges including weight of shipment.
- The right is reserved to ordering agencies to furnish Government bills of lading.
- Ordering offices will be required to pay differential between freight charges and express charges where express deliveries are desired by the Government.
- Upon request of the contractor, the Government may provide the contractor with logistics support, as available, in accordance with all applicable Government regulations. Such Government support will be provided on a reimbursable basis, and will only be provided to the contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.
- For work that is done outside of the continental United Stated (OCONUS) under this schedule, URS will utilize the appropriate US State Department post differential and hazard pay premiums which will be added to the applicable GSA rate(s).

12.0 Invoices

URS Federal Technical Services, upon completion of the work ordered, shall submit invoices for PES. 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.

13.0 Payments

For firm fixed-price orders, the Government shall pay URS Federal Technical Services, 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 2007) (Alternate II (FEB 2007) at FAR 52.232-7 applies to labor-hour orders placed under this contract.

14.0 Resumes

Resumes shall be provided to the GSA Contracting Officer (CO) or the user agency upon request.

15.0 Incidental Support Costs

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering agency in accordance with the guidelines set forth in the FAR.

16.0 Approval of Subcontracts

The ordering activity may require that URS Federal Technical Services receive from the ordering activity's CO written consent before placing any subcontract for furnishing any of the work called for in a task order.

17.0 Contractor Team Arrangements

Federal Supply Schedule Contractors may use Contractor Team Arrangements (see FAR 9.6) to provide solutions when responding to a customer agency requirements. The policy and procedures outlined in this part will provide more flexibility and

allow innovative acquisition methods when using the Federal Supply Schedules.

18.0 SECTION 508 COMPLIANCE

Section 508 requirements will be addressed on a case-by-case basis for individual Delivery Orders and/or BPAs. In the event Section 508 applies to individual Delivery Orders or BPAs, and no exception is present in the Delivery Order or BPA solicitation, the Delivery Order or BPA shall specify the ordering agency's compliance strategy (selection of technical performance standards/requirements and/or technologies to be used, based upon the agency's market research), as provided for under the Rehabilitation Act and FAR Final Rule, in order for URS Federal Technical Services to appropriately develop and cost a technical approach that is responsive to Section 508 requirements of the individual Delivery Order or BPA.

I certify that in accordance with 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), FAR 39.2, and the Architectural and Transportation Barriers Compliance Board Electronic and Information Technology (EIT) Accessibility Standards (36 CFR 1194) General Services Administration (GSA), that all IT hardware/software/services are 508 compliant:

Yes __X__ No ___.

Section 508 compliance information on the supplies and services in this contract are available at the following website address (URL): **www.urscorp.com.**

The EIT standard can be found at: **www.Section508.gov/.**

19.0 OUR COMMITMENT

URS Federal Technical Services is a company renowned for quality services and products, superior technology, and financial strength. We earn trust by operating with integrity and by demonstrating our long-term commitment to the markets we serve. We provide powerful solutions by offering superior services, products and support to our customers. URS Federal Technical Services offers unparalleled cross-industry expertise, opportunities to gain from synergies across businesses, and a commitment to provide ongoing support to individual customers and markets. We understand the critical issues and challenges that are facing our customers and we will work as committed partners to create innovative solutions. Our team of companies provides exceptional value by proactively helping to articulate your needs, and by responding quickly and effectively to support your success. We know that you take your responsibilities very seriously and you can count on us to do what we say.

20.0 DESCRIPTION OF PES AND PRICING

URS Federal Technical Services offers the following PES listed under this Schedule. Ordering activities are encouraged to contact or work with an URS Federal Technical Services GSA ordering representative to plan/or specify their ordering requirements. PES may be ordered in whole or in part, requiring differing labor mixes and hours. PES can also be combined in a single order for more comprehensive or longer-term on-site or off-site services. Our representatives are available to help you specify your minimum requirements necessary to ensure complete and satisfactory performance.

20.1 CORE COMPETENCIES

Acoustic (Noise) Monitoring Instruments/Vibration Reduction

Acoustics Engineering

Acoustics, Underwater Theory, Design and Testing

Acquisition Management Assistance

Acquisition of Products, Services and Systems

Acquisition Planning

ADP Services

Advanced Software Engineering

Airborne Surveying

Analytical Laboratory Operations

Arms Control and Weapons Proliferation Analysis

Artificial Intelligence, Expert Systems

Asbestos Paint Abatement

Asset Management Services

ASW Research, Analysis, Systems Evaluation

Building Management

Chemical Process Cost Estimation

Chemical Process Simulation

Chemical Warfare Analysis and Technologies

Circuit Board Reengineering

Coal Gasification Testing

Coal Utilization Research

Combat Systems Engineering

Combustion Processes Testing

Computational Fluid Dynamics

Computer-Aided Design (CAD)
Computerized Milestone Scheduling/Tracking
Condition Assessment Surveying
Conference Management
Conference Services/Public Relations
Configuration Management
Construction Oversight/Facility Management
Cost and Budget Analysis
Custom Engineering
Custom Hardware Design and Development
Custom Packaging
Data Acquisition Systems
Design/Fabrication Drawings
Desktop Publishing
Document Management
Document Management/Imaging Systems
Electrical Wiring/Electronic Circuit Design
Electromagnetic Radiation/EMI/EMC/EMP/ HERO/EMV
Electronic and Analytical Engineering
Electronic Publishing
Energy Absorbing Materials
Energy Management
Energy Research and Development
Energy Experimentation and Modeling
Energy Resource Exploration
Engineering, Experimental and General Facilities
Engineering/Project Management
Environmental Engineering
Environmental/Hazardous Waste Engineering Services
Environmental/Safety/Health Management Services
Environmental Testing
Facility Engineering Design
Facility Operations and Maintenance
Fiber-Optic Integration, Detection Devices
Field Engineering
Fire Control and Guidance Systems Design and Integration
Fire Alarm Protection and Detection
Fleet Support
Foreign Military Sales
Foreign Technology Assessment, Transfer/Open Source Surveillance
Foreign Energy Research and Development
Fossil Energy Research
Gas Cleanup Processes Testing
Gas Reservoir Analysis
Geologic Characterization Geophysical Airborne Surveying
GPS/DGPS, Surface Detection Systems Positioning
Hardware Design and Development
High-Pressure Welding
Horizontal Well Design
HVAC
HVACR
Industrial Safety
Information Systems/Engineering/Processing/ Transmission
Information System Life-Cycle Management
Information Technology (IT)
Infrared Signal Processing, Evaluation and Testing
Institutional Information Support Services
Instrumentation Systems, Process
Instrumentation Systems, Environmental Monitoring
Integrated Logistics Support
Intelligence Data Collection, Analysis, and Evaluation/Threat Assessments
Internal Wave Prediction and Interaction
Laboratory Operation
Lead-Based Paint Abatement
Library Management
LIDAR Support, Systems Design, Operation, Theory, and Signal Processing, Mapping and Imaging
Life-Cycle Engineering
Maintenance Management
Magnetic Field Analysis/Engineering
Management Information Services
Management Services
Marine Research
Material Management/Inventory Control
Meteorological Services
Microminiature Test, Repair and Fabrication
Military Support
Module Screening and Repair

Motor Repair
Multimedia Courseware/Presentation Design and Development
Natural Gas Research
Noise Monitoring Instruments and Systems
Nonintrusive Inspection
Nuclear Nonproliferation Technologies
Ocean Engineering
Oceanography, Meteorology
Omni-Directional Vehicle
Operational Research and Analysis
Operations and Management Services
Ordnance Testing and Evaluation
Packaging, Handling, Storage and Transportation
Package Freight Equipment
Physical Property Management
Pilot Plant Design and Operation
Portable Sensor Platform Design
Procurement Services
Production Readiness Assessments
Program Impact Assessments
Program Management
Program Manager's Support System (PMSS)
Programmatic Studies
Prototype Custom Engineering
Radar Systems Development
Rapid Acquisition of Manufactured Parts (RAMP) Support
Reliability-Centered Maintenance (RCM)
Real Property Management
Records Management
Remote Sensing
Risk Management
Rolling Airframe Missile (RAM) Support
Scientific Research and Analysis
Security System Design and Installation
Seismology, Theory Development, Research Engineering
Sensors/Sensor Integration
Shipboard Systems Integration, Development and Testing
Shipping, Receiving, Storage and Warehousing
Signal Processing
Signature Measurement Analysis
Simulation, Mechanistic
Simulation, Process
Simulation, Training
Site Services Support
Software Development
Software Development, Integration, IV&V
Software Tracking Systems
Sonar Design, Development and Integration
Special Purpose Test Equipment
Stealth Technologies
Stress Analysis, 2D/3D
Surveying, Airborne
Synthetic Fuels Research
Systems Engineering and Integration (SE&I)
Systems Engineering and Acquisition Support Services
Systems Engineering and Technical Support Services
Systems Safety
Technology Assessment
Telemetry
Test and Evaluation (T&E)
Test Site Facilities
Third Party Logistics Services
Three-Dimensional Design
Transportation Freight Arrangements
Transportation Systems Research and Analysis
Treaty Verification
Unmanned Aerial Vehicle (UAV) Command and Control Systems
Vehicle, Vessel, Conveyances Management
WAN/LAN Design and Implementation
Warehouse Management
Weapons of Mass Destruction (WMD) Detection Analysis
Weapons Systems Safety Analysis
Wind Tunnel Operation

20.2 PES SIN STRENGTHS

Strategic Planning For Technology Programs/ Activities (SIN 871-1 (RC))

- *Vision Development* – Includes analysis of national/agency policy and guidance applicable to the

program/activity of interest to establish a vision or set of overarching capability goals upon which near- and long-term technology strategy can be developed.

- *Mission Analysis* – Includes detailed analysis of program missions as aligned to established capability goals to identify deficiencies or shortfalls in execution that can be translated into a prioritized list of requirements, against which technology development alternatives can be evaluated.

- *Organizational Performance Analysis* – Includes assessment of an organization's ability to execute its organizational responsibilities for technology development. Identified deficiencies or shortfalls in execution serve as the basis for organizational realignment, IT support recommendations, or manpower change justification.

- *Technology Sector Studies* – Includes disciplined research techniques, including Internet research, applied on a national and/or international scale to report on the status of technology development in high-interest technology areas.

- *Technology Program Research* – Includes a thorough review and assessment of funded research activities ongoing within Government and commercial organizations to identify possible programs available for investment leverage as technology alternatives that address the requirements of interest.

- *Technology Strategy Development* – Includes the application of a systems engineering approach to weigh technology development alternatives and their potential payoff against prioritized requirements to develop an optimally balanced set of time-phased technology investment recommendations.

- *Technology Transition Planning* – Includes the process of developing roadmaps that provide detailed planning milestones and critical decision points that ensure multiple organizations coordinate as required to transition technologies from advanced development to system development to production and insertion on an operational platform or in an operational system.

- *Technology Development Planning* – Includes the preparation of program schedules, budgets, planning documents, presentations, and acquisition planning documentation required to manage and implement technology programs.

- *Special Studies* – Includes the preparation of special reports in technology areas that react to questions from higher authority. These reports can take the form of trade-off studies, impact assessments, risk analyses, or other directed efforts related to the management or implementation of new technologies in Government programs.

Concept Development and Requirements Analysis (SIN 871-2 (RC))

- *Concept Studies and Analyses* – Includes the identification and characterization of alternative systems responding to operational requirements or other drivers, such as affordability or technological opportunity; application of systems engineering disciplines to translate operational needs into system solutions addressing design, manufacturing, test and evaluation, deployment, operations, support, training and disposal; top-down functional analysis and allocation of requirements to subsystems; design synthesis and verification; and performance of preliminary risk assessments and system safety analyses.

- *Evaluation/Traceability of Alternative Technical Approaches* – Includes performing feasibility analyses; developing Measures of Effectiveness (MOEs), Measures of Performance (MOPs), and Key Performance Parameters (KPPs); performing and validating systems effectiveness analyses, cost/performance trade-offs, Cost and Operational Effectiveness Analyses (COEAs); and performing scenario and sensitivity analyses.

- *Technology Assessment* – Includes reviewing technology trends; performing assessments of new and emerging technologies for correspondence to mission-specific requirements; and providing analytical services to support implementation of design improvement, technology insertion, and technology refreshment and to identify opportunities for the use of commercial and nondevelopmental items.

- *Cost Analysis* – Includes developing and applying Cost Estimating Relationships (CERs); preparing Life-Cycle Cost (LCC) estimates; developing cost baselines, thresholds and objectives; identifying potential cost drivers; performing affordability assessments; conducting design variant cost analyses; and supporting cost reduction and affordability initiatives (e.g., Total Ownership Cost (TOC) Reduction).

- *Concept Definition and Documentation* – Includes preparing technology conceptual designs, concept decision records and concepts of operation; documenting objectives for cost, performance, and schedule; identifying opportunities for trade-offs; and providing approaches to acquisition strategy, T&E strategy, and risk mitigation.

- *Planning, Programming, and Budgeting System (PPBS) Cycle Support* – Includes preparing inputs into the PPBS (e.g., Program Objectives Memorandum (POM) issue papers, budget estimates) to support the development of new concepts and upgrades.

- *Production Planning and Support* – Includes producibility analyses; prototype and low-rate production capabilities; manufacturing technology assessments; and production acceptance test program planning.

- *Threat Evaluation* – Includes monitoring and interpreting threat assessments and projections; mapping new and emerging technologies to counter evolving threats; and evaluating proposed alternative responses to specific threats.

- *Defense Requirements Analysis* – Includes assessing Defense Planning Guidance, Strategic Plans, Force Level Requirements, and Mission Area Analyses to identify priorities for new systems and technologies; translating broadly stated mission needs into system-specific requirements; and defining thresholds and objectives relative to the requirements.

- *Development and Documentation of Requirements* – Includes formal definition of requirements and preparation of requirements documentation.

- *Regulatory Compliance Support* – Includes analyzing applicable statutes, regulations, directives and instructions (e.g., Environmental, Safety and Health (ES&H)) potentially affecting new concepts; identifying alternative means of compliance; assessing issues associated with alternative concepts; and estimating costs of compliance for various alternatives.

- *Business Case Analyses* – Includes characterization of proposed concepts in terms of investment costs, expected benefits, risks, and implementation issues; performance and documentation of discounted cash flow analyses for proposed concepts; and ranking/prioritization of candidate concepts by business metrics (e.g., annualized rate of return, payback period, and total return).

- *Modeling and Simulation (M&S)* – Includes designing, developing, manufacturing, testing, installing, and operating computer models and simulations to support concept evaluations and program planning; applying existing models and simulations; and identifying and developing improvements to existing models and simulations.

- *Risk Assessment* – Includes developing risk management and assessment tools; performing independent risk assessments; and developing risk databases to assist in managing risks beginning with concept definition.

- *Special Projects* – Includes performing ad hoc studies and analyses and providing technical experts for independent assessments of technological feasibility of proposed concepts and technologies.

System Design, Engineering and Integration (SIN 871-3 (RC))

- *Translating System Concepts into Design* – Includes applying the Electronic Industries Association (EIA) IS-632 Systems Engineering (SE) Process (tailored as required for individual system or component). The SE process is the framework for transforming top-level performance requirements, objectives and goals into an optimized product; it includes requirements analysis, functional analysis and allocation, synthesis, and systems analyses and control. Through a series of iterative steps, top-level requirements are functionally analyzed and allocated to systems. As the design progresses, functional analysis is used to allocate requirements to subsystems and then to individual components. Validation of lower-level functional and systems-level requirements is continually performed with the overall goal of reducing program risk. Also inclusive in this process is interface management, configuration control, data management and establishment of performance metrics.

- *Risk Identification/Analysis/Mitigation* – Includes the full range of risk management used throughout the system or component design, development, production and employment and includes continuous identification and analysis of risk areas, development of associated risk mitigation actions, and continuous monitoring of risks through to resolution.

- *Prototype Development* – Includes the process best approached through scientific method; bringing a solid grounding in engineering principles to bear on a problem while remaining open to the quirks of inspiration. Typically this is an iterative process, with many layers of development between design and form. Familiarity with a wide range of engineering materials, a strong knowledge base in the physical sciences, and adherence to excellence in engineering practices (while avoiding the rigid mindset often associated with engineers) have helped URS Federal Technical Services breathe life into hundreds of projects. Includes providing design, drawings, specifications, materials, facilities and testing.

- *Computer-Aided Design (CAD)* – Includes designers, drafters and illustrators expert in the latest CAD and Computer-Aided Engineering (CAE) packages; extensive experience in electrical and mechanical design with Government and commercial customers; design software, including the latest versions of ORCAD, AUTOCAD and CADKEY; Pro/ENGINEER's CAD and Computer Integrated Manufacturing (CIM) tools; IGES translation software for interface compatibility; and analysis software such as MATHCAD, Supercalc, HYDROFLO, HYDRONET, HCALC and LAGOR Finite Element Analysis packages.

- *Design Studies and Analysis* – Includes cost/ technical trade studies and effectiveness analyses developed to resolve design issues and ensure a balanced system from a performance and cost perspective. We identify and provide issue papers, trade-off studies, specific functional analyses, operational and maintenance performance data analysis, thermal analysis and reverse engineering studies.

- *Technology Research* – Our URS Federal Technical Services engineers are currently assisting a variety of Government and commercial customers in pursuing advanced technologies for several areas, including material science applications (composite materials, corrosion control, coatings and stealth). Our engineers are members of several submarine and surface community technology assessment Integrated Product Teams (IPTs) that review a wide variety of technologies and weigh performance improvements against cost and projected user requirements.

- *Specification Preparation* – Includes requirements development and management. Our URS Federal Technical Services engineers are experienced in establishing functional baselines, developing specification trees, and performing system specification validation for multiple complex real-time systems and components.

- *Configuration Management* – Includes technical analysis and oversight of Configuration Management (CM) process and configuration status accounting. We provide both technical and administrative assistance in identifying, designing and documenting functional, allocated and product baselines. CM support includes change control, record and report change processing, implementation status tracking, and development and conduct of responsive audit processes to identify and manage original design installations and design modifications from initial system design, throughout the product life cycle to final disposal. URS Federal Technical Services is also adept in CM activities in the challenging Commercial Off-the-Shelf (COTS)/ Non-Developmental Item (NDI) environment.

- *Fabrication and Assembly* – Includes experience in the fabrication and assembly of a wide variety of mechanical components, optoelectronics and instrument devices used in an assortment of applications, including laser warning receivers, night vision equipment, Electronic Warfare (EW) systems, missile safe and arming devices, Global Positioning System (GPS) satellites, fiber-optic gyroscopes and imaging systems. Specific products include emitters and detectors such as infrared detectors, semiconductor lasers, focal plane arrays, imaging tubes, thermoelectric and sterling coolers detonators and small precision power supplies; detection and measurement instruments; and highly reliable advanced seals and bellows products and precision aerospace and heat dissipation devices.

- *Simulation and Modeling* – Includes system and operation simulation and modeling experience in a wide variety of simulation and modeling programs and software, including MicroSim Pspice Circuit Analysis program, Advanced Synthetic Environment (AdViSE) simulation for survivability simulation, and the North Atlantic Treaty Organization (NATO) Reference Mobility Model Edition II (NRMM II), and a strong capability to utilize these and other advanced tools to promote improvements in system performance.

Test and Evaluation (SIN 871-4 (RC))

- *Test Plan Development* – Includes drafting, revision and support staffing for approving all T&E master plans; coordinating with engineering teams during the development, review, and comment resolution of all test documents; and creating integrated schedules.

- *Test Conduct* – Includes participating in test readiness reviews and test monitoring by providing detailed independent recommendations regarding test readiness and conduct and ensuring test activity compliance with approved test plans, procedures, and exit criteria.

- *Test Reporting* – Includes reporting during and following laboratory evaluation; during and following developmental testing; during system integration and operational testing; and follow-on testing and evaluation.

- *Live-Fire T&E* – Includes identifying areas of concern, proposing how these areas will be addressed, identifying necessary analyses and component/system tests, addressing deficiencies identified in the test program, and monitoring final ship level tests (total ship survivability trial and ship shock test).

- *Integrated Product and Process Team Support* – Includes active participation in Integrated Process Teams to identify and resolve test issues.

- *Simulation/Stimulation Models* – Includes designing, developing, manufacturing, testing, installing, and operating simulation and stimulation models and systems to verify/validate the operation of systems/platforms.

- *Special Projects* – Includes performing special projects, studies, analyses, and independent assessments and providing experts for investigations and other special needs.

Integrated Logistics Support (ILS) (SIN 871-5 (RC))

- *ILS Management* – Includes a highly trained logistics workforce, experienced in all aspects of

both acquisition logistics and project life-cycle support, including determining logistics requirements; developing logistics planning documents (e.g., Logistics Requirements Funding Summaries, Integrated Logistics Support Plans (ILSPs), Functional Requirements Documents, Operational Requirements Documents, and T&E Master Plans); developing and monitoring performance-based logistics requirements for contract specifications and SOWs; conducting system TOC evaluations and developing TOC reduction plans; monitoring contract performance; and conducting independent and continuous logistics supportability assessments in support of program reviews and acquisition milestone decisions. Design and management of program tracking metrics, financial planning, obligation and expenditure tracking and detailed logistics management training services and tools are also available. Program support personnel participate in the Integrated Process and Product Development functions and other working group functions to provide a full range of technical and management support capabilities and experience in system life-cycle support development.

- *ILS Engineering/Maintenance Planning* – Includes maintenance planning for preventive (Planned) and corrective (Condition-Based Maintenance – (CBM)) maintenance. Performs all aspects of maintenance planning for a system starting with tailored supportability analyses; e.g., Level of Repair Analysis (LORA). URS Federal Technical Services Logistics Engineers perform reliability and maintainability assessments and supportability analyses; e.g., Failure Modes, Effects and Criticality Analyses (FMECAs), assessing life-cycle support needs and identifying the requirements for effective sustainment of a system.

- *Supply Support* – Includes all management actions, procedures, and techniques necessary to determine the requirements for acquiring, cataloging, receiving, storing, transferring, issuing, and disposing of secondary support items. This includes provisioning for initial support as well as replenishment supply support; reviewing provisioning requirements and program support data sheets; spares modeling; determining Packaging, Handling, Storage and Transportation (PHS&T) requirements; establishing and managing interim support requirements, and performing inventory management and Just-In-Time Support (JITS). URS Federal Technical Services Supply Support Analysts are adept at developing support strategies for COTS and NDI and other nontraditional support methodologies and processes.

- *Personnel and Training* – Includes performance of manpower and personnel analyses and training situation requirements analyses, development of preliminary ship manpower documents, development of training concepts and training plans, Authoring Instructional Material (AIM) curricula development, electronic classroom integration, development and review of interactive courseware and interactive multimedia instruction.

- *Trainers and Training Devices* – Includes cradle-to-grave trainer design, development, integration, testing and life-cycle support. URS Federal Technical Services performs detailed planning and analyses for both operational and maintenance trainer requirements using a comprehensive knowledge of emerging technologies needed to optimize overall training effectiveness. Trainers personnel are experienced in all aspects of Government and commercial software development environments, standards and policies. Includes facility planning, performance of site surveys, test procedure development and installation certification support.

- *Support and Test Equipment (S&TE)* – Includes maintaining currency with the latest Government and commercial sector logistics innovations and applying current principles to computer-based processes to develop S&TE plans designed to optimize equipment performance. Includes assessment of S&TE; development of implementation plans, test procedures, and test hardware development schedules, and test event schedules; test planning and consolidation and preparation of user agency assistance plans and matrices.

- *Transportation and Handling* – Includes identifying special handling requirements or constraints, hazardous materials (HAZMAT) handling requirements and Electrostatic Sensitive Device (ESD) protection requirements. URS Federal Technical Services will determine how components or equipment that are oversized, fragile, sensitive, dangerous, or subject to other handling restrictions must be handled and transported. URS Federal Technical Services will make recommendations to ensure safe material handling and transportation, including modes of delivery, special packaging, shock mitigation devices or other techniques for protection, technical escorts, unique handling devices, environmental control and emergency procedures for items that are hazardous to handle or store, as well as preventive maintenance or lay-up actions required during storage or transportation to ensure the items will be ready for use when received.

- *Facilities* – Includes analyzing existing facility infrastructure (e.g., piers, harbors, physical clearances, utilities, airfields, test ranges, warehouses, etc.) to determine possible constraints on new system designs, as well as new construction and alteration projects needed to support new systems. A full range of facilities support planning and document generation (e.g., Facilities Planning Criteria) is available.

- *ES&H Planning* – Includes analyses and planning efforts necessary to optimize the integration of ES&H considerations into system designs and alterations, resulting in environmentally compliant systems that are safe to operate. ES&H Planning is a service that goes hand in hand with facilities planning and systems development. URS Federal Technical Services environmental specialists ensure the systems developed are environmentally compliant while meeting all legal and functional requirements.

- *Logistics Technical Data* – Includes extensive experience providing military, Government, and commercial clients with development and management services to help ensure quality technical data and training products are complete, accurate, usable and effective for system operators. Includes concept-tualization and development of Logistics Technical Data products as simple as an equipment user guide or as complex as a complete integrated electronic technical data, maintenance, and operation and training manual. Our experience ranges from paper-based products to state-of-the-art electronic interactive display. Our professional staff of technical and training experts can determine the most cost-effective and technically robust method for system technical data development.

- *Computer Resources* – Includes planning, develop-ment and execution of digital data repository programs that support integrated business process solutions critical to customer success. These solutions exist in both Internet and Local Area Network (LAN) environments and are designed to reduce cost and increase efficiency in day-to-day communication and work processes, and minimize travel-related costs. URS Federal Technical Services can develop the business process improvement software necessary to manage and control all aspects of a systems acquisition or life-cycle support process.

Acquisition and Life-Cycle Management (SIN 871-6 (RC))

URS Federal Technical Services will accomplish all aspects of procurement/production, fielding, and life-cycle management of a program or system, including disposal. URS Federal Technical Services is well experienced in applying a Total Systems Approach to optimize total system performance and minimize the cost of ownership. The interdependencies of complex programs are well understood and will be addressed throughout the planning and execution tasks.

- *Acquisition Planning Process* – Includes services to develop and document a tailored, event-driven acquisition strategy that will serve as the roadmap for program execution during the entire program/system life cycle; risk management; consideration of cost as a key aspect of program planning; contract approach; management approach; test and evaluation requirements; and environmental, safety, and health considerations. This event-driven acquisition strategy will link program decisions to demonstrated accomplishments in development, testing, initial procurement/production, and life-cycle management.

- *Acquisition Planning Activities* – Services include translating operational needs into technical and/or performance requirements; performing business case cost analyses for make/buy decisions, including initial market research and subsequent market surveillance during the system life cycle; and reducing procurement or production lead times through a tailored acquisition strategy implementing a concurrent/IPT approach.

- *Risk Management* – Includes assessment and management of risk using a variety of techniques, including technology demonstrations, prototyping, and test and evaluation. Planning will take advantage of proven industry processes that contribute to streamlining and use of only value-added activities.

- *Cost Estimates* – Includes life-cycle cost estimates based on program objectives, operational requirements, and contract specifications for the system; these estimates will reflect a realistic appraisal of the level of risk expected. Analysis of alternatives for designs, procurements and support structures will be substantiated from a cost and performance view using their respective life-cycle cost estimates, to reduce and minimize TOC by identifying and influencing the cost drivers. Cost modeling will be used to provide repeatable cost estimates that can be analyzed for sensitivity to individual parameters, as well as provide cost estimates for evaluation of alternatives.

- *Budgeting Process* – Includes services to take the cost estimate for the program, system design or procurement configuration of record, and provide a detailed breakdown of funding requirements. This budget profile will provide a level of detail comparable to the program planning schedule. Dependent on the complexity of the system, the design, procurement, and/or production configuration will be laid out in a tiered (i.e., work breakdown structure) format that will be similarly reflected in the budget layout. The budgeting process will incorporate the risk management process by considering potential needs for risk mitigation funding, and then budgeting appropriately.

- *Budget Documentation* – Includes providing methodology, data sources, ground rules, assumptions, and calculation methods (i.e., model or formulas) that are used in calculating the budget. This documentation will be sufficient to ensure that future budget adjust-ments (e.g., in response to funding resource changes)

are a simple matter of recalculation rather than starting from the beginning to develop a new or revised budget.

- *Contracting Process* – Includes services to implement the acquisition strategy. URS Federal Technical Services will adhere to applicable contract laws and regulations in this process and will work to obtain a fair price for products and services that meet the technical and performance requirements of the program.

- *Contracting Activities* – Includes contracting strategy (contained as part of the overall acquisition strategy), acquisition planning, procurement package development, the solicitation process, proposal evaluation, discussions and negotiations, contract award, and contract monitoring. The contract type (e.g., cost plus or fixed price) will be part of the contracting strategy; contract incentives and warranties will also be applied where appropriate to motivate contractors to exceed predetermined thresholds for performance, delivery, and reliability and maintainability.

- *Systems/Program Management* – Includes services to manage the operation and support of the system after fielding, throughout its service life, and then through the disposal phase. URS Federal Technical Services will translate system operational needs into stable, affordable programs during the early life-cycle phases of a system, then concentrate later on the task of acquiring quality ILS products. During the operation and support phase of a system's life cycle, URS Federal Technical Services will concentrate on maintaining and improving the performance of the system while continuing to acquire high-quality logistics products that meet the user's needs at the optimum level of performance and cost.

- *Total Systems Approach* – Includes consideration for not only the primary equipment, but also the people who will operate and maintain the system; system security; system operation in the intended environment, as well as abnormal environments; system compatibility with other systems and with the existing support infrastructure; related training and training devices, data and documentation; and the system's potential impact on the environment. This Total Systems Approach supports all functional areas of ILS, including maintenance planning, technical documentation, supply support, support equipment, PHS&T, Manpower, Personnel and Training (MP&T), facilities planning, computer resources support, and CM. URS Federal Technical Services will also perform reliability- and maintainability-related efforts intended to improve supportability by achieving and surpassing system availability requirements.

- *Supportability Analyses* – Includes logistics and supportability analyses that are integrated with the SE process to provide up-front input during the early system life-cycle phases to facilitate making decisions on logistics support and influencing design to achieve supportability.

- *System Deployment and Initial Fielding* – URS Federal Technical Services will assess impacts upon field supportability in two general areas: first, by determining the impact upon the existing support structure when the system is initially fielded, and second, by determining potential problems due to inadequate sources of supply, support capability, or modification after shutdown of production lines.

- *Logistics Assessments* – Includes performing assessments during all system life-cycle phases to analyze all programmatic aspects that address the effectiveness of logistics planning, overall readiness, and post-production supportability of a program. We will assess whether ILS planning efforts are proceeding in accordance with established policies and procedures. We will also identify problems that may affect achievement of supportability thresholds and objectives.

- *M&S* – Includes M&S to support trade-off studies, particularly in analyzing performance and cost impacts during the development phase of a system, when influencing system design is easiest and most cost effective.

- *Environmental Planning* – Includes a unique sensitivity to environmental planning and its importance in the system life cycle. URS Federal Technical Services will address environmental considerations relating to all system areas, particularly facilities planning, maintenance planning and disposal planning. URS Federal Technical Services intent is to influence design early during the development phase such that future problems and associated costs are minimized during the operation and support and disposal phases of the system.

CROSS-REFERENCE MATRIX
SINS TO PROFESSIONAL ENGINEERING DISCIPLINES

Special Items		Primary Engineering Discipline			
		Chemical Engineering	Civil Engineering	Electrical Engineering	Mechanical Engineering
871-1(RC)	Strategic Planning for Technology Programs/Activities	X	X	X	X
871-2(RC)	Concept Development and Requirements Analysis	X	X	X	X
871-3(RC)	System Design, Engineering and Integration	X	X	X	X
871-4(RC)	Test and Evaluation	X	X	X	X
871-5(RC)	Integrated Logistics Support	X	X	X	X
871-6(RC)	Acquisition and Life-Cycle Management	X	X	X	X

URS Federal Technical Services Commercial Labor Categories and Guarantees

URS Federal Technical Services offers only the personnel who meet or exceed the minimum qualification requirements stated in the Commercial Labor Category Descriptions provided herein. URS Federal Technical Services allows experience to substitute for minimum education requirements and education to substitute for minimum years of experience. URS Federal Technical Services criteria for substitution is as follows.

Undergraduate: An associate degree will equal 2 years of experience. A relevant bachelor's degree will equal 4 years of experience. A relevant Masters Degree will equal 6 years of experience. A Doctorate will equal 8 years of experience.

Experience: For every year of full time specific field experience, the person shall be credited with one-half year of "degree" qualifications toward the values stated in the labor category descriptions.

GSA and/or the ordering activities may have access to any URS Federal Technical Services employee resume (by request) before, during, or after assignment of any GSA order. If for some extenuating reason a person assigned to an order must be replaced or substituted, the ordering activity will be notified in advance, in writing, and the substituted personnel will meet or exceed the required qualifications for the departing employee's labor category.

Because it contracts directly with Federal agencies, URS Federal Technical Services is required to maintain strict security measures in all its operations. URS Federal Technical Services' facilities have been inspected and approved by the Department of Defense Industrial Security Clearance Office (DISCO) for the handling and storage of classified material. URS Federal Technical Services employees are screened, investigated, and cleared for access to sensitive and classified Government documents, files, and property. Clearances are granted by the cognizant Government agency, depending on the specific contract.

URS Federal Technical Services Commercial Job Title Descriptions

Administrative Assistant, Sr, Code Eng101

Minimum Education and Experience:

Vocational/technical training beyond high school and 3 years of job-related experience. Requires advanced capability to operate application software, including word processing and spreadsheet programs. Position may require the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Prepares and maintains word processing, spread-sheets, databases, and/or other software files and information.
2. Prepares technical reports, including gathering information and data, analyzing, organizing, and presenting in a logical, persuasive manner the conclusions of the information.
3. Reads, understands, and brings to management's attention items requiring attention from a variety of data and reports sent to the office for action.
4. Gathers data from various sources and synthesizes the options for action from that data, for the decision making process.
5. In concert with the Director(s) or Manager(s), designs and implements the necessary business processes to facilitate the effective functioning of the office.
6. Screens, directs, and handles incoming telephone calls and requests. Responds to inquiries, exercising significant initiative and judgment based on knowledge of policies and procedures, including answering customer inquiries and acting as a liaison.
7. Organizes and maintains departmental files in accordance with applicable procedures.
8. Schedules appointments, arranges meetings, and prepares required materials. May attend meetings and record and report on proceedings.

Administrative Specialist, Code Eng102

Minimum Education and Experience:

Vocational/technical training beyond high school and at least 1 year of job-related experience or equivalent. Requires basic skills in operating application software, including word processing and spreadsheet programs. Position may require the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Word processes correspondence and reports; proofs material.
2. Maintains engineering files and recurring reports.
3. Coordinates meetings, schedules, and travel arrangements.
4. Distributes, tabulates and enters time sheets and staff expenses.
5. Prepares technical reports, charts, tables, databases and a wide variety of material in specific formats.
6. Provides departmental administrative support as needed.

Administrator, Jr, Code Eng103

Minimum Education and Experience:

Vocational/technical training beyond high school and at least 1 year of job-related experience or equivalent. Requires some knowledge of operating software programs. Position may require the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Prepares and submits reports, invoices, vouchers, and other documents.
2. Schedules daily work flow and ensures coordination of completed projects.
3. Performs and coordinates duties in one or more of the following areas: accounting, purchasing, marketing, office services, and security.
4. Processes, inputs and retrieves data, and manages databases, as required.
5. Gathers data for various reports required by accounting and management or for engineering/ scientific applications.
6. Assists in the maintenance and inventory control of office equipment.

Administrator, Sr, Code Eng104

Minimum Education and Experience:

Vocational/technical training beyond high school and 3 years of job-related experience. Excellent communications and analytical skills; demonstrated working knowledge of computer systems and ability to operate application software, including database, word processing and spreadsheet programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Supervises and trains personnel in engineering administration and support.
2. Manages staff budget in direct support of program administration.
3. Generates reports required by accounting and management or for engineering/scientific applications.
4. Manages and maintains document/information databases.
5. Ensures proper operation and maintenance of contract support computer equipment.
6. Develops, implements, and maintains procedures for document tracking and handling.
7. Plans and coordinates engineering services and related functions, including the implementation and supervision of programs to ensure maximum utilization within the facility.

Consultant, Code Eng107

Minimum Education and Experience:

Bachelor's degree or equivalent training/experience; 10 years of related experience; and excellent communications, interpersonal, organizational, and analytical skills. Working knowledge of word processing and integrated software applications is required. Position may require extensive travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Responsible for the overall functioning and technical performance of the operation.
2. Performs senior level customer liaison.
3. Provides direction and leadership to assigned personnel.
4. Manages and coordinates research and investigations into emergent problems.
5. Manages and applies change strategies to create new organizations and services consistent with the company vision. Provides a vision for a business area within the company.
6. Directs development and installation of a sound plan of organization and controls.
7. Ensures adequate planning for future development and growth of the operation.
8. Appraises and evaluates the results of the operation regularly relative to established objectives, and ensures that appropriate steps are taken to correct unsatisfactory conditions.

Documentation Specialist, Mid, Code Eng109

Minimum Education and Experience:

Associate’s degree or at least 5 years of job-related experience or equivalent. Good written communications

skills; working knowledge of word processing and integrated software applications; organizational skills and ability to perform detail-oriented work are required. Position may require the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Applies working knowledge of technical literature and various style guides, including customer specifications, to documentation and publication standards.
2. Participates in developing and maintaining technical manuals. Assists with the validation/ verification, discrepancy/deficiency resolution, and accuracy/adequacy assessment of technical manual requirements.
3. Edits reports, publications, proposals and correspondence to ensure clarity of content, consistency of format, and accuracy of grammar.
4. Interfaces with engineers and technical professionals in writing, editing and publishing various types of customer documents such as training manuals, concepts of operations, and contract deliverables.
5. Utilizes appropriate computer software application for document text production.
6. Establishes and maintains electronic and/or hardcopy data library of documents and work order files for documents received for processing.

Documentation Specialist, Sr, Code Eng110

Minimum Education and Experience:

Bachelor's degree in English or Journalism and at least 5 years of job-related experience or equivalent. Excellent written communications skills; working knowledge of word processing and integrated software applications; organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Advises, manages, and mentors personnel assigned to technical documentation function.
2. Interfaces with engineers and technical professionals in writing, editing and publishing various types of documents (e.g., test plans, test reports, survey reports).
3. Oversees in-house production flow of technical publications. Tracks and monitors flow of all documents from inception to distribution of final copies. Identifies and corrects problem areas as they arise.
4. Provides final quality assurance check for all document deliverables.
5. Participates in department and company-wide proposal writing projects. Often serves as proposal coordinator for large production efforts.
6. Utilizes appropriate computer software for document production. Investigates and implements best ways to produce documentation electronically.
7. Provides senior-level technical writing/editing support to other Company contracts when workloads permit.
8. Directs classification, indexing, cataloging, and storage of books, periodicals, papers, microfilms, classified reports and documents stored on various media, including electronic.

Engineer, Jr, Code Eng111

Minimum Education and Experience:

Bachelor's degree in Engineering or related scientific field, and no job-related experience. Good communications and analytical skills; working knowledge of computer systems and integrated software application programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs design development, analysis, and review tasks under some supervision.
2. Generates sections of design specifications of more complex projects or complete specifications of less complex projects.
3. Prepares, delivers and submits technical presentations for in-process design and review meetings.
4. Establishes and maintains filing systems/for tracking project status.
5. Develops technical documentation and system/ specifications.
6. Interfaces with customers at all levels: design reviews, technical working groups, and final design and test activities.
7. Conducts site visits and investigates engineering problems, proposes solutions and alternatives, and provides recommendations.
8. Verifies and complies with engineering documentation standards and test procedures.

Engineer, Mgr, Code Eng112

Minimum Education and Experience:

Bachelor's degree in Engineering or related scientific field and at least 10 years of job-related experience or equivalent. Excellent communications and analytical

skills; working knowledge of computer systems and integrated software application programs. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design development, analysis, or review tasks independently, providing supervision of contributing engineers.
2. Responsible for complete designs, analyses, or design reviews independently or as the team leader.
3. Acts as and is recognized as a Company/industry expert resource on the most complex engineering problems.
4. May lead engineering teams and act as a mentor to engineering team members.
5. 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.
6. Selects, trains, advises, evaluates, schedules, supervises, and directs department personnel, either directly or through a subordinate supervisor.
7. Develops, interprets, and implements technical and administrative operating policies and procedures.
8. Maintains technical project responsibility for assigned tasks and advises management of progress in support of the technical and administrative direction of project operations.

Engineer, Mid, Code Eng113

Minimum Education and Experience:

Bachelor's degree in Engineering, or related scientific field and at least 5 years of job-related experience or equivalent. Good communications and analytical skills; working knowledge of computer systems and integrated software application programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design development, analysis or review tasks under minimal supervision.
2. Acts as a lead on less complex tasks and is responsible for a portion of a design or section of an analysis or design review.
3. Generates complete design specifications of more complex projects.
4. Coordinates and works closely with other engineering, logistics, financial, and program management disciplines to define system specifications and requirements.
5. Develops, maintains and produces technical documentation and system/subsystem specifications.
6. Interfaces with customers at all levels: design reviews, technical working groups, and final design and test activities.
7. Conducts site visits and experimental investigations, analyzes engineering problems, proposes solutions and alternatives, and provides recommendations.

Engineer, Sr, Code Eng114

Minimum Education and Experience:

Bachelor's degree in Engineering or related scientific field, and at least 7 years of job-related experience or equivalent. Excellent communications and analytical skills; working knowledge of computer systems and integrated software application programs. The position may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design development, analysis, or review tasks independently.
2. Responsible for complete designs, analyses, or design reviews.
3. Generates complete design specifications for the most complex projects.
4. May train other engineers on technical issues related to the research, design, development, testing and analysis of engineering assignments.
5. Interfaces with customers at all levels: design reviews, technical working groups, and final design and test activities.
6. Conducts site visits and experimental investigations, analyzes engineering problems, proposes solutions and alternatives, and provides recommendations.
7. Prepares, delivers and submits technical papers and performs engineering studies.
8. May organize and supervise a group of employees for a given project, contract or job, with overall responsibility for cost, schedule, technical and employee performance.

Engineer, Systems, Code Eng115

Minimum Education and Experience:

Bachelor's degree in Engineering or related scientific field and at least 10 years of job-related experience or equivalent. Excellent communications and analytical skills; working knowledge of computer systems and integrated software application programs. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design development, analysis, or reviews tasks independently, providing supervision of contributing engineers.
2. Responsible for complete designs, analyses, or design reviews independently or as the team leader.
3. Generates complete design specifications for the most complex projects.
4. Acts as and is recognized as a Company/industry expert resource on the most complex engineering problems.
5. May lead engineering teams and act as a mentor to engineering team members.
6. May train other engineers on technical issues related to the research, design, development, testing and analysis of engineering assignments.
7. Conducts site visits and experimental investigations, analyzes engineering problems, proposes solutions and alternatives, and provides recommendations.
8. Prepares, delivers and submits technical papers and performs engineering studies.
9. 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.

Executive 1, Code Eng119

Minimum Education and Experience:

Bachelor's degree and a minimum of 10 years experience. Excellent communications, interpersonal, organizational and analytical skills are required. Working knowledge of word processing and integrated software applications is required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Provides administrative and technical leadership for completing multiple contracts, including responsibility for cost, schedule and overall performance.
2. Plans and procures necessary staffing to achieve work completion milestones and deliverables.
3. Monitors fulfillment of contract requirements to ensure quality and timeliness of services/ deliverables to various customers.
4. Supervises, coordinates, provides leadership to, and reviews the work of assigned staff and/or contracts.
5. Interfaces with customers on a regular basis in support of engineering and program management activities. Monitors customer feedback and advises on a broad range of issues related to products/services being delivered.
6. Performs multidisciplinary analysis of system designs to determine compliance with specifications and standards.
7. Directs the investigation and resolution of operational problems in conjunction with other engineering and technical personnel.

Executive 3, Code Eng121

Minimum Education and Experience:

Bachelor's degree and a minimum of 15 years experience. Excellent communications, interpersonal, organizational and analytical skills are required. Working knowledge of word processing and integrated software applications is required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Provides administrative and technical leadership in the organization, formation and ongoing operation of several business elements, including responsibility for cost, schedule and overall performance.
2. Is responsible for individual business elements being conducted in compliance with applicable Federal, State and local laws and regulations.
3. Represents the Company as appropriate in its relationship with customers, employees, suppliers, Government industry groups, community organizations and professional associations.
4. Is responsible for implementing a sound plan or organization and controls.

5. Participates in business development activities that could lead to a joint venture, teaming agreement or other contractual agreement.
6. Supervises, coordinates, provides leadership to, and reviews the work of assigned staff and/or contracts. Interfaces with customers on a regular basis in support of engineering and program management oversight activities.
7. Monitors customer feedback and advises on a broad range of issues related to products/services being delivered.

Executive 4 Code Eng122

Job Specification: Bachelor's degree and a minimum of 16 years experience. Excellent management, communication, interpersonal, organizational and analytical skills are required. Position may require travel. Position may require the ability to pass and maintain a Security Clearance.

Principal Duties and Responsibilities:

1. Provides management, organizational, business and technical leadership and services.
2. Is responsible for individual business elements are conducted in compliance with applicable Federal, State, and local laws and regulations.
3. Represents the company as appropriate with its relations with customers, employees, suppliers, Government industry groups, community organizations and professional associations.
4. Is responsible to implement a sound plan for organizational management and controls.
5. Supervises, coordinates, provides leadership to direct the development of internal and external programs for communications, human resources and outreach.
6. Interfaces with customers on a regular basis. Monitors customer feedback and advises on a broad range of issues related to products/services being delivered.

Logistics Engineer, Jr, Code Eng125

Minimum Education and Experience:

Bachelor's degree in Business/Logistics or related field and no job-related experience or equivalent. Good communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Researches and analyzes logistics element problems and determines solution alternatives.
2. Reviews reports, technical papers, drawings, specifications, procedures, etc.; consolidates comments from various organizations; and drafts reports.
3. Assists in preparing routine correspondence (i.e., letters, memos and route sheets), spreadsheets, Gantt charts, presentations, and meeting minutes.
4. Assists in maintaining logistics support data, planning schedules, and documents.
5. Analyzes and researches material to gain a thorough technical understanding of the logistics element supporting a task assignment.
6. Assists in preparing oral presentations and written reports, indicating solution or range of possible alternatives in rank of desirability and probability of success when there is no single solution.

Logistics Engineer, Mid, Code Eng126

Minimum Education and Experience:

Bachelor's degree in Business/Logistics or related field and at least 3 years of job-related experience or equivalent. Good written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Researches, analyzes problems, and determines logistics element(s) requirements with minimum supervision.
2. May supervise and train entry-level personnel in the technical aspects of assigned work.
3. Collaborates with customer(s) to define, coordinate and track the status of multi-disciplinary task(s) and advises on technical and logistics element planning and implementation.
4. Reviews program reports, technical papers, drawings, specifications, procedures, etc., and performs tests/evaluations and validations/verifications; provides comments; consolidates and adjudicates comments from various organizations; and prepares reports.
5. Prepares program management correspondence (i.e., letters, memos and route sheets), design charts, spreadsheets, Gantt charts, presentations, analytical reports and meeting minutes.

6. Advises logistics customer as an SME on program development, planning and implementation of logistics element(s).

Logistics Engineer, Sr Analyst, Code Eng127

Minimum Education and Experience:

Bachelor's degree in Business/Logistics or related field and at least 7 years of job-related experience or equivalent. Good communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Collaborates daily with customer(s) to determine specific needs and requirements and to counsel within the expert area, including overseeing task execution.
2. Develops and/or reviews program reports, technical papers, drawings, specifications, procedures, etc.; provides comments; organizes, consolidates, and adjudicates comments from various organizations; and prepares reports.
3. Performs expert-level review, analysis, and validation of engineering and logistics products, and prepares executive-level reports and briefs.
4. Consults as industry expert with the logistics managers, program managers and customers, advising on logistics program policy development, planning and implementation.
5. Interfaces with various technical and logistics team leaders daily to exchange information and coordinate related task performance.
6. Supervises teams in accomplishing tasks and trains junior-level personnel in the technical aspects of assigned work.

Logistics Program Manager, Jr, Code Eng128

Minimum Education and Experience:

Master's degree (or equivalent), preferably in a discipline such as Operations Research, Economics, Logistics, Statistics, Human Factors, Organizational Development, Civil or Industrial Engineering. A minimum of 10 years of job-related experience is required. Good oral and written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Analyzes and researches material to gain a thorough technical understanding of a complex subject area supporting a task assignment.
2. Performs a range of design development, analyses, or review tasks independently, providing supervision of contributing engineers.
3. Responsible for complete designs, analyses, or design reviews independently or as the group leader.
4. Generates complete design specifications for the most complex projects.
5. Develops, maintains and produces technical documentation and system/subsystem specifications.
6. Interfaces with customers at all levels: design reviews, technical working groups, and final design and test activities.
7. Conducts site visits and experimental investigations, analyzes engineering problems, proposes solutions and alternatives, and provides recommendations.
8. Prepares oral presentations and written reports, indicating solution or range of possible alternatives in rank of desirability and probability of success when there is no single solution.

Logistics Program Manager, Sr, Code Eng129

Minimum Education and Experience:

Master's degree (or equivalent), preferably in a discipline such as Operations Research, Economics, Logistics, Statistics, Human Factors, Organizational Development, Civil or Industrial Engineering. A minimum of 12 years of job-related experience is required. Good oral and written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Analyzes and researches material to gain a thorough technical understanding of a complex subject area supporting a task assignment.
2. Performs a range of design development, analyses, or review tasks independently, providing supervision of contributing engineers.
3. Responsible for complete designs, analyses, or design reviews independently or as the group leader.

4. Generates complete design specifications for the most complex projects.
5. Develops, maintains and produces technical documentation and system/subsystem specifications.
6. Interfaces with customers at all levels: design reviews, technical working groups, and final design and test activities.
7. Conducts site visits and experimental investigations, analyzes engineering problems, proposes solutions and alternatives, and provides recommendations.
8. Prepares oral presentations and written reports, indicating solution or range of possible alternatives in rank of desirability and probability of success when there is no single solution.

Logistics Technical Specialist, Jr, Code Eng130

Minimum Education and Experience:

High school diploma and at least 1 year of job-related experience or equivalent. Requires operating application software, including word processing and spreadsheet programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Reviews drawings, documentation and training curricula. Researches databases to determine technical documentation requirements; Reliability, Maintainability, and Availability (RM&A); training; life-cycle impacts; source issues; and configuration impacts.
2. Performs inventory management, cataloging, warehouse management, material coordination, data entry, and property control in support of various supply activities and/or equipment installations. May assist technicians with equipment installations.
3. Develops, executes, and maintains logistics support plans, training schedules and milestones, training device engineering change proposals, and similar data. Recommends improvements to enhance the process.
4. May provide technical assessment of training devices and report results to customer.
5. Supports maintenance planning systems and performs maintenance planning tasks.
6. Demonstrates development and application of new systems, processes, or techniques that contribute to the achievement of business area goals.

Logistics Technical Specialist, Sr, Code Eng131

Minimum Education and Experience:

Vocational/technical training beyond high school, and at least 5 years of job-related experience or equivalent. Requires good communications skills and the ability to operate application software, including word processing and spreadsheet programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Supports the customer by providing written plans, technical reports, presentations and issue papers.
2. Reviews drawings. Researches databases to determine technical documentation requirements; RM&A; life-cycle impacts; source issues; and configuration impacts.
3. Performs inventory management, cataloging, warehouse management, material coordination, data entry, and property control in support of various supply activities and/or equipment installations. May assist technicians with equipment installations.
4. Develops, executes, and maintains logistics support plans, policies, procedures and similar data. Recommends improvements to enhance the process.
5. Supports maintenance planning systems and performs maintenance planning tasks.
6. Identifies specific procedures or processes that could be modified in order to increase efficiencies or quality.
7. Applies knowledge of procedures and systems to a broad range of basic issues. May require knowledge of specialized processes or technical skills.

Operations Research Specialist, Code Eng132

Minimum Education and Experience:

Bachelor's degree in Engineering or Science and at least 10 years job-related experience or equivalent. Significant specific training or work experience in a specific discipline or operational capability. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Conducts analytic studies and/or scientific studies in science or engineering.
2. Performs conceptual, developmental, and planning functions for major programs.
3. Generates specifications or plans for operational implementation.

4. Writes investigative reports and memoranda.
5. Performs liaison with senior-level customers.
6. Coordinates mission operations.
7. Acts in a staff capacity as a recognized expert in a specific discipline or operational capability.

Procurement Manager, Code Eng133

Minimum Education and Experience:

Bachelor's degree in Business or related field and 5 years job-related experience. A thorough working knowledge of the FAR is required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Administers subcontracts and purchase orders, including monitoring performance, prices, and certifications; exercising options; conducting market analysis and negotiating prices; maintaining subcontract and purchase order files; issuing modifications as necessary; assisting management in resolving subcontractor and vendor problems; and resolving invoicing issues with Finance and Accounting.
2. Oversees/evaluates potential subcontractors and ongoing performance. Performs periodic reviews of procurement actions for compliance with policies and procedures, competition, and prime contract requirements.
3. Coordinates subcontractor and vendor invoicing issues with Finance and Accounting.
4. Monitors the Small Business (SB) and Small Disadvantaged Business (SDB) Program, and the Labor Surplus Area Program. Identifies potential sources for compliance with the SB and SDB Program.
5. Compiles and submits reports to customers and management.
6. Obtains, if necessary, CO approvals of subcontract actions.
7. May assist the Contract Administrator with prime contract functions.
8. Closes out contract and procurement files in accordance with records retention procedures.

Program Analyst, Jr, Code Eng134

Minimum Education and Experience:

Associate’s degree in Finance and no job-related experience. Requires operating application software, including word processing and spreadsheet programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Prepares contract expenditure versus estimated budget report for Contract Budget Manager on a regularly scheduled basis for use in monitoring contract costs.
2. Prepares and tracks contract budget spreadsheets.
3. Prepares actual costs incurred reports on a regularly scheduled basis.
4. Prepares reports for contract deliverable submissions.
5. Prepares procurement requests, processes sub-contractor invoices and monitors subcontractor cost reports for accuracy and completeness.
6. Prepares and maintains files of Letters of Transmittals.

Program Analyst, Mid, Code Eng135

Minimum Education and Experience:

Bachelor’s degree in Business and at least 3 years of job-related experience or equivalent. Good written communications skills; working knowledge of word processing and integrated software applications; organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Conducts research and prepares financial analyses and forecasts.
2. Generates management tools to effectively control programs.
3. Generates reports documenting findings.
4. Conducts research into procurement practices and assesses/implements improvements to or compliance with acquisition procedures.
5. Prepares computerized programs utilizing commercial software to manage tasks.
6. Participates in cost proposal development.
7. Maintains database to produce monthly financial reports. Tracks, processes and distributes deliverables and monitors comment status.

Program Management Specialist, Code Eng137

Minimum Education and Experience:

Associate’s degree in Business Administration or related field and at least one year of job-related experience or equivalent. Requires operation of

application software, including word processing and spreadsheet programs. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Interfaces with internal functional teams and external customers for planning, prioritization, and issue resolution of overall activities in support and achievement of customer goals.
2. Interacts and supports customers, through the application of specific program knowledge, in executing program management tasks.
3. Coordinates and maintains program documentation with internal and external teams, including plans, schedules, briefings, reports correspondence, contracts/contract modifications, technical instructions/procedures and/or related material.
4. Prepares routine and nonroutine program correspondence, documentation and reports.
5. Creates and maintains master files/schedules related to program history, execution and status for the life of the program (inception to disposal).
6. Reviews, evaluates and provides assessments of technical and nontechnical program reports; researches specific areas and prepares findings.
7. Interfaces with internal and external program participants to coordinate overall activities to support customer goals.

Program Manager, Code Eng138

Minimum Education and Experience:

Associate's degree and at least 5 years of job-related experience or equivalent. Excellent communications, interpersonal, organizational and analytical skills are required. Working knowledge of word processing and integrated software applications is required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Provides administrative and technical leadership in completing multiple contracts, including responsibility for cost, schedule, and overall performance.
2. Plans and procures necessary staffing to achieve work completion milestones and deliverables.
3. Monitors fulfillment of contract requirements to ensure quality and timeliness of services/ deliverables to various customers.
4. Supervises, coordinates, provides leadership to, and reviews the work of assigned staff and/or contracts.
5. Interfaces with customers on a regular basis in support of engineering and program management activities. Monitors customer feedback and advises on a broad range of issues related to products/services being delivered.
6. Performs multidisciplinary analysis of system designs to determine compliance with specifications and standards.
7. Directs the investigation and resolution of operational problems in conjunction with other engineering and technical personnel.

Project Manager, Jr, Code Eng139

Minimum Education and Experience:

Associate's degree and at least 3 years of job-related experience or equivalent. Good oral and written communications skills and familiarity with word processing, database, spreadsheet and integrated software applications are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. 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.
2. Interacts with and advises customers by applying specific program knowledge and/or SME in executing program management and routine and nonroutine tasks.
3. 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.
4. Analyzes and tracks project budgets, schedules and deliverables, and conducts research into specific areas and prepares and reports findings to the customer.
5. Creates and maintains master files/schedules related to program history, execution and status for the life of the program (inception to disposal).
6. Reviews, analyzes, provides comments and assessments of technical and nontechnical program reports and researches specific areas of interest and prepares findings.
7. Interfaces with internal and external principal program participants for planning, prioritization and resolution of overall activities to support customer goals.

Project Manager, Sr, Code Eng140

Minimum Education and Experience:

Bachelor's degree in Business Administration or a related field and 5 years of job-related experience or equivalent. Good written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Leads and mentors personnel assigned to program support functions.
2. 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.
3. Interacts and advises customers, through the application of specific program knowledge and SME, in executing program management tasks.
4. Analyzes requirements; reviews and coordinates with internal and external customers to generate program documentation such as plans, schedules, briefings, reports, correspondence, contact/ contract modifications, technical instructions, technical procedures or related material.
5. Analyzes and tracks project budgets, schedules and deliverables, and conducts research into specific areas and prepares and reports findings to the customer.
6. Creates and maintains master files/schedules related to program history, execution and status for the life of the program (inception to disposal).
7. Reviews, analyzes, provides technical comments and assessment of technical and nontechnical program reports and researches specific areas and prepares findings.
8. Interfaces with internal and external principal program participants for planning and prioritization of overall activities and resolution of issues to support customer goals.

Scientist, Sr, Code Eng143

Minimum Education and Experience:

Master’s degree in Engineering, Physics, Mathematics or related science field and 7 years of job-related experience or Ph.D. and 1 year of job-related experience or equivalent. Excellent communications and analytical skills, working knowledge of computer systems and integrated software application programs are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Conducts analytic studies and/or scientific studies in physics, mathematics, or engineering.
2. Performs conceptual, developmental, and planning functions for major programs.
3. Develops mathematical formulations and equations.
4. Writes investigative reports and memoranda.
5. Coordinates and works closely with other scientific, engineering, logistics, financial, and program management disciplines in conducting analytic and/or scientific studies.
6. Prepares and presents briefings about research findings.
7. Interfaces with customer for coordination, modification, technical assistance and implementation of programs.
8. 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.
9. Acts in a staff or consulting/advisory capacity to the customer and is recognized as an expert in the scientific community.

Software Developer, Jr, Code Eng144

Minimum Education and Experience:

Bachelor’s degree in Computer Science or related field and no job-related experience. Excellent communications and analytical skills and demonstrated working knowledge of a programming language (i.e., C, C++, FORTRAN, COBOL, ADA, SYBASE, etc.), computer systems and integrated software applications programs are required. Position may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Develops software system and interface requirements/design specifications.
2. Implements software design using a software language and assembles/compiles/links source code.
3. Tests and debugs source code.
4. Develops test scenarios, plans, and procedures for software builds, hardware/software integration, and system acceptance testing. Conducts testing and

provides test results feedback to design team and customer.

5. Develops end user documentation (i.e., user's guide and technical manual) and version description documentation.
6. Constructs and executes simulations, models and simulators test cases, and scenarios.
7. Establishes and maintains a filing system for tracking and inventory control of hardware and software vendors for system upgrades and maintenance.
8. Generates and submits technical reports for technical presentations and meetings.

Software Developer, Sr, Code Eng145

Minimum Education and Experience:

Bachelor's degree in Computer Science, Engineering or related field and at least 7 years of job-related experience or equivalent. Excellent communications and analytical skills and demonstrated working knowledge and extensive experience of several programming languages (i.e., C, C++, FORTRAN, COBOL, ADA, SYBASE, etc.), computer systems, hardware configurations and integrated software application programs are required. Position may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Leads team in developing or analyzing large-scale software projects, usually involving scientific applications.
2. Develops plans for detailed analysis of computer program code, documentation, and output to ensure validity, consistency, and conformance to applicable standards.
3. Designs and executes computer program test cases, analyzes output for validity, and prepares written reports documenting results.
4. Supervises, trains and evaluates junior level personnel.
5. Directs on-site customer interface for software installation, testing, systems integration, programming, debugging and other computer system tasks as needed.
6. Generates and submits technical reports for technical presentations and meetings and customer briefings.
7. Performs evaluations in the development, design, implementation, and maintenance of complex programs or systems.
8. 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.

Subject Matter Expert 1, Code Eng146

Minimum Education and Experience:

Bachelor's degree in a technical field or Vocational/ Technical school or Associate's degree and at least 2 years of job-related experience or equivalent. Good communications and analytical skills and working knowledge of computer systems and integrated software application programs are required. Some positions may require knowledge and operation of machining/welding equipment. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Creates drawings, illustrations and cartoons for publications and presentations.
2. Designs and constructs experimental/prototype models to engineering requirements.
3. Performs a wide variety of duties of complex nature in the installation, testing, modifications, and operation of electronic equipment.
4. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirements.
5. Investigates systems problems and provides white papers on the results of the investigation.
6. Installs, monitors and services equipment and systems at Company and client sites.
7. Plans approach and conducts various experiments to develop equipment or systems characterized by difficult performance requirements and unusual combinations of techniques or components.
8. Serves as senior/lead technician and assists in training other technicians.

Subject Matter Expert 2, Code Eng147

Minimum Education and Experience:

Vocational/Technical school, Associate's degree and at least 8 years of job-related experience or equivalent.

Excellent communications and analytical skills and working knowledge of computer systems and integrated software application programs are required. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design, development, analysis, or review tasks independently.
2. Generates complete design specifications and/or procedures for complex assignments.
3. Acts as a lead on complex tasks and is responsible for design, analyses, or design reviews.
4. Leads and coordinates the installation, modification, monitoring, operation, testing, and servicing of equipment and systems at Company and client sites.
5. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirements.
6. Builds, installs, monitors, tests and services equipment and systems at Company and client sites.
7. Coordinates and works closely with other engineering, logistics, financial, and program management disciplines to define system specifications and requirements.
8. Directs on-site customer interface for equipment/system installation, testing, survey, fabrication, and other engineering tasks as needed.

Subject Matter Expert 3, Code Eng148

Minimum Education and Experience:

Vocational/Technical school, Associate's degree and at least 8 years of job-related experience or equivalent or a Bachelor's degree in the appropriate field and 5 years experience. Excellent communications and analytical skills and working knowledge of computer systems and integrated software application programs are required. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design, development, analysis, or review tasks independently.
2. Generates complete design specifications and/or procedures for complex assignments.
3. Acts as a lead on complex tasks and is responsible for design, analyses, or design reviews.
4. Leads and coordinates the installation, modification, monitoring, operation, testing, and servicing of equipment and systems at Company and client sites.
5. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirements.
6. Builds, installs, monitors, tests and services equipment and systems at Company and client sites.
7. Coordinates and works closely with other engineering, logistics, financial, and program management disciplines to define system specifications and requirements.
8. Directs on-site customer interface for equipment/system installation, testing, survey, fabrication, and other engineering tasks as needed.

Subject Matter Expert 4, Code Eng149

Minimum Education and Experience:

Bachelor's degree in Engineering Business/Logistics or related field and at least 10 years of job-related experience or equivalent. Good communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Collaborates daily with customer(s) to determine specific needs and requirements and to counsel within the expert area, including overseeing task execution.
2. Develops and/reviews program reports, technical papers, drawings, specifications, procedures, etc.; provides comments; organizes, consolidates, and adjudicates comments from various organizations; and prepares reports.
3. Performs expert-level review, analysis, and validation of engineering and logistics products and prepares executive-level reports and briefs.
4. Consults as industry expert with senior engineering, logistics managers, program managers and customers, advising on technology, policy development, planning and implementation.
5. Interfaces with various technical, engineering, and logistics team leaders daily to exchange information and coordinate related task performance.

6. Supervises teams in accomplishing tasks and trains junior-level personnel in the technical aspects of assigned work.

Systems Analyst, Mid, Code Eng152

Minimum Education and Experience:

Bachelor's degree in Computer Science and at least 5 years of job-related experience or equivalent. Excellent communications and analytical skills and demonstrated working knowledge of computer systems and integrated software application programs are required. Position may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs customer requirements analyses for existing or proposed systems to determine feasibility and objectives of requests.
2. Designs or modifies system and prepares reports, schedules, data requirements, security access rules and system constraints.
3. Writes, debugs and tests programs and procedures.
4. Installs system and trains customer to use new or changed applications.
5. Studies existing information systems to evaluate effectiveness and develops new systems where appropriate.
6. Assists junior-level programmers/analysts in resolving work problems related to project and/or programming specifications.
7. Directs on-site customer interface for program guidance, testing, systems analysis, and other system-related tasks as needed.
8. Prepares detailed documented requirements for selected activities (i.e., data management, CM, and program management)
9. May provide informal training in implementing software programs based on user requirements.

Systems Analyst, Sr, Code 153

Minimum Education and Experience:

Bachelor's degree in Computer Science and at least 9 years of job-related experience or equivalent. May supervise support personnel as required. Good written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs customer requirements analyses for existing or proposed systems to determine feasibility and objectives of requests.
2. Designs or modifies system and prepares reports, schedules, data requirements, security access rules and system constraints.
3. Writes, debugs and tests programs and procedures.
4. Installs system and trains customer to use new or changed applications.
5. Studies existing information systems to evaluate effectiveness and develops new systems where appropriate.
6. Assists junior-level programmers/analysts in resolving work problems related to project and/or programming specifications.
7. Directs on-site customer interface for program guidance, testing, systems analysis, and other system-related tasks as needed.
8. Prepares detailed documented requirements for selected activities (i.e., data management, CM, and program management).

Technician, Jr, Code Eng154

Minimum Education and Experience:

Vocational/technical training beyond high school and at least 1 year of job-related experience or equivalent. Good written communications skills, working knowledge of word processing and integrated software applications, and ability to perform detail-oriented work are required. Some positions may require knowledge and operation of machining equipment. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Supports production of technical documents and drawings using computers, scanners, cameras, printers, laminators, and plotters in concert with multiple software products.
2. Uses CAD/CAE equipment and software to produce schematics and engineering drawings.
3. Creates drawings, illustrations and cartoons for reports, publications, presentations, and displays.
4. Researches technical issues for input to reports and studies.
5. Supports fabrication and testing of hardware and software systems.

6. Assists in design, coding, and documentation of software products.
7. Installs, monitors, and services equipment and systems at Company and client sites.
8. Performs T&E, checkout, calibration, and certification tasks. Performs validations/verifications of various electronic systems.
9. Reviews Engineering Change Proposals (ECPs) for equipment impacts and assists in accomplishing Engineering Change Instructions (ECIs).
10. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirements.

Technician, Mid, Code Eng155

Minimum Education and Experience:

Bachelor's degree in a technical field or Vocational/ Technical school or Associate's degree and at least 2 years of job-related experience or equivalent. Good communications and analytical skills and working knowledge of computer systems and integrated software application programs are required. Some positions may require knowledge and operation of machining/welding equipment or the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Creates drawings, illustrations and cartoons for publications and presentations.
2. Designs and constructs experimental/prototype models to engineering requirements.
3. Performs a wide variety of duties of complex nature in the installation, testing, modification, and operation of electronic equipment.
4. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirements.
5. Investigates systems problems and provides white papers on the results of the investigation.
6. Installs, monitors, and services equipment and systems at Company and client sites.
7. Plans approaches and conducts various experiments to develop equipment or systems characterized by difficult performance requirements and unusual combinations of techniques or components.
8. Serves as senior/lead technician and assists in training other technicians.

Technician, Sr, Code Eng156

Minimum Education and Experience:

Vocational/Technical school, Associate's degree and at least 8 years of job-related experience or equivalent. Excellent communications and analytical skills and working knowledge of computer systems and integrated software application programs are required. Some positions may require the ability to investigate, troubleshoot, and design solutions to problems in operational hardware and software. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Performs a range of design, development, analysis, or review tasks independently.
2. Generates complete design specifications and/or procedures for complex assignments.
3. Acts as a lead on complex tasks and is responsible for design, analyses, or design reviews.
4. Leads and coordinates the installation, modification, monitoring, operation, testing, and servicing of equipment and systems at Company and client sites.
5. Provides technical data and evaluation for components, equipment and systems consistent with engineering plans, layout and contract requirement.
6. Builds, installs, monitors, tests and services equipment and systems at Company and client sites.
7. Coordinates and works closely with other engineering, logistics, financial, and program management disciplines to define system specifications and requirements.
8. Directs on-site customer interface for equipment/ system installation, testing, survey, fabrication, and other engineering tasks as needed.

Writer, Code Eng158

Minimum Education and Experience:

Bachelor's degree in English/Journalism or a related field and at least 7 years of job-related experience or equivalent. Excellent written communications skills, working knowledge of word processing and integrated software applications, organizational skills and ability to perform detail-oriented work are required. Position may require travel and the ability to pass and maintain a Security Clearance.

Functional Responsibilities:

1. Interfaces with technical professionals in writing, editing, and publishing various types of documents such as specifications, manuals, reports, plans, training materials and presentations.
2. Researches a wide variety of assigned topics and develops writing plans and outlines.
3. Assists in developing supporting materials (illustrations, tables, etc.).
4. Oversees in-house production flow of technical publications. Tracks and monitors flow of all documents from inception to distribution of final copies. Identifies and corrects problem areas as they arise.
5. Provides quality assurance check for all document deliverables.
6. Utilizes appropriate computer software for document test production. Investigates and implements best ways to produce documentation.
7. Establishes and maintains electronic and/or hardcopy data library of documents and work order files for documents received for processing.
8. Advises, manages and mentors personnel assigned to technical documentation function.

SIN PRICES

SINs: 871-1 THRU 871-6 SINs: 871-1RC THRU 871-6RC PEDs: Electrical, Chemical Mechanical & Civil		URS Site Hourly Rate Option 2					Government Site Hourly Rate Option 2				
		Year 11	Year 12	Year 13	Year 14	Year 15	Year 11	Year 12	Year 13	Year 14	Year 15
		9/1/2009	9/1/2010	9/1/2011	9/1/2012	9/1/2013	9/1/2009	9/1/2010	9/1/2011	9/1/2012	9/1/2013
LC #	Labor Category	to 8/31/2010	to 8/31/2011	to 8/31/2012	to 8/31/2013	to 8/31/2014	to 8/31/2010	to 8/31/2011	to 8/31/2012	to 8/31/2013	to 8/31/2014
ENG 101	Administrative Assistant, Sr.	$45.94	$47.36	$48.83	$50.33	$51.89	$38.56	$39.75	$40.98	$42.25	$43.55
ENG 102	Administrative Specialist	$36.58	$37.71	$38.88	$40.08	$41.32	$34.30	$35.36	$36.45	$37.58	$38.74
ENG 103	Administrator, Jr.	$26.76	$27.59	$28.44	$29.32	$30.23	$22.98	$23.69	$24.42	$25.18	$25.96
ENG 104	Administrator, Sr.	$55.47	$57.18	$58.95	$60.77	$62.65	$47.07	$48.52	$50.02	$51.57	$53.16
ENG 107	Consultant	$127.43	$131.37	$135.43	$139.61	$143.92	$109.49	$112.87	$116.36	$119.95	$123.66
ENG 109	Documentation Specialist, Mid.	$46.35	$47.79	$49.26	$50.79	$52.35	$39.83	$41.06	$42.33	$43.63	$44.98
ENG 110	Documentation Specialist, Sr.	$52.32	$53.94	$55.61	$57.32	$59.10	$42.39	$43.69	$45.04	$46.44	$47.87
ENG 111	Engineer, Jr.	$59.74	$61.59	$63.49	$65.45	$67.47	$51.32	$52.91	$54.54	$56.23	$57.97
ENG 112	Engineer, Mgr.	$120.45	$124.17	$128.01	$131.97	$136.04	$103.51	$106.71	$110.00	$113.40	$116.91
ENG 113	Engineer, Mid.	$74.77	$77.08	$79.47	$81.92	$84.45	$67.33	$69.41	$71.55	$73.76	$76.04
ENG 114	Engineer, Sr.	$98.01	$101.04	$104.16	$107.38	$110.70	$86.71	$89.39	$92.15	$95.00	$97.93
ENG 115	Engineer, Systems	$106.69	$109.99	$113.39	$116.89	$120.50	$89.94	$92.72	$95.59	$98.54	$101.59
ENG 119	Executive 1	$117.52	$121.15	$124.90	$128.76	$132.73	$106.11	$109.39	$112.77	$116.26	$119.85
ENG 121	Executive 3	$148.34	$152.93	$157.65	$162.52	$167.55	$128.50	$132.47	$136.56	$140.78	$145.13
ENG 122	Executive 4	$339.11	$349.59	$360.39	$371.52	$383.00	$299.24	$308.49	$318.02	$327.85	$337.98
ENG 125	Logistics Engineer, Jr.	$55.93	$57.66	$59.44	$61.28	$63.17	$46.88	$48.33	$49.83	$51.36	$52.95
ENG 126	Logistics Engineer, Mid.	$70.15	$72.32	$74.55	$76.85	$79.23	$61.16	$63.05	$65.00	$67.01	$69.08
ENG 127	Logistics Engineer, Sr. Analyst	$89.73	$92.50	$95.36	$98.31	$101.34	$81.68	$84.21	$86.81	$89.49	$92.26
ENG 128	Logistics Program Mgr., Jr.	$109.02	$112.38	$115.86	$119.44	$123.13	$90.02	$92.80	$95.67	$98.63	$101.68
ENG 129	Logistics Program Mgr., Sr.	$111.36	$114.80	$118.35	$122.00	$125.77	$99.95	$103.04	$106.22	$109.50	$112.89
ENG 130	Logistics Technical Specialist, Jr.	$47.06	$48.51	$50.01	$51.56	$53.15	$38.47	$39.66	$40.89	$42.15	$43.46
ENG 131	Logistics Technical Specialist, Sr.	$61.89	$63.80	$65.77	$67.80	$69.90	$50.10	$51.65	$53.24	$54.89	$56.58
ENG 132	Operations Research Specialist	$109.77	$113.16	$116.66	$120.26	$123.98	$94.31	$97.22	$100.22	$103.32	$106.51
ENG 133	Procurement Manager	$64.23	$66.21	$68.26	$70.37	$72.54	$57.97	$59.76	$61.60	$63.51	$65.47
ENG 134	Program Analyst, Jr.	$45.41	$46.82	$48.26	$49.75	$51.29	$36.83	$37.97	$39.14	$40.35	$41.60
ENG 135	Program Analyst, Mid.	$56.78	$58.54	$60.34	$62.21	$64.13	$48.41	$49.91	$51.45	$53.04	$54.68
ENG 137	Program Management Spec.	$49.76	$51.30	$52.89	$54.52	$56.21	$44.01	$45.37	$46.77	$48.22	$49.71
ENG 138	Program Manager	$104.97	$108.21	$111.56	$115.00	$118.56	$89.21	$91.97	$94.81	$97.74	$100.76
ENG 139	Project Manager, Jr.	$53.57	$55.22	$56.93	$58.69	$60.50	$50.16	$51.71	$53.30	$54.95	$56.65
ENG 140	Project Manager, Sr.	$97.64	$100.65	$103.76	$106.97	$110.28	$86.33	$89.00	$91.75	$94.58	$97.50
ENG 143	Scientist, Sr.	$143.24	$147.66	$152.23	$156.93	$161.78	$123.24	$127.04	$130.97	$135.02	$139.19
ENG 144	Software Developer, Jr.	$58.49	$60.29	$62.16	$64.08	$66.06	$49.46	$50.99	$52.56	$54.19	$55.86
ENG 145	Software Developer, Sr.	$78.06	$80.47	$82.96	$85.52	$88.16	$67.65	$69.74	$71.89	$74.12	$76.41
ENG 146	Subject Matter Expert 1	$47.86	$49.34	$50.87	$52.44	$54.06	$38.29	$39.47	$40.69	$41.95	$43.24
ENG 147	Subject Matter Expert 2	$63.50	$65.47	$67.49	$69.57	$71.72	$55.84	$57.57	$59.34	$61.18	$63.07
ENG 148	Subject Matter Expert 3	$92.18	$95.03	$97.96	$100.99	$104.11	$81.59	$84.11	$86.70	$89.38	$92.15
ENG 149	Subject Matter Expert 4	$125.72	$129.61	$133.61	$137.74	$142.00	$111.14	$114.58	$118.12	$121.77	$125.53
ENG 152	Systems Analyst, Mid.	$71.04	$73.24	$75.50	$77.83	$80.24	$63.46	$65.42	$67.44	$69.52	$71.67
ENG 153	Systems Analyst, Sr.	$84.83	$87.45	$90.15	$92.94	$95.81	$75.06	$77.38	$79.77	$82.23	$84.77
ENG 154	Technician, Jr.	$39.48	$40.70	$41.96	$43.26	$44.60	$32.14	$33.14	$34.16	$35.22	$36.30
ENG 155	Technician, Mid.	$57.75	$59.54	$61.38	$63.27	$65.23	$53.43	$55.08	$56.78	$58.54	$60.35
ENG 156	Technician, Sr.	$64.73	$66.73	$68.79	$70.92	$73.11	$57.33	$59.10	$60.93	$62.81	$64.75
ENG 158	Writer	$45.91	$47.33	$48.79	$50.30	$51.86	$41.14	$42.41	$43.72	$45.07	$46.47
Prices include an Industrial Funding Fee (IFF) of .75% and reflects escalation of 1.09% between year 10 and year 11 prices and annual escalation of 3.09% at option year 12 and each year thereafter.											

GENERAL AND ADMINISTRATIVE

URS Federal Technical Services costs for G&A are divided into several pools. The different URS Federal Technical Services business segments may have differing methods of G&A allocation. Some allocate G&A based on Total Cost Input while others use a VA/Material Handling scheme. Where VA/Material Handling is used, the rates are applied as follows:

- VA G&A. The VA G&A rate is applied to the total cost input excluding direct materials, subcontractor costs, consultant costs, and temporary services. VA G&A is applied to direct labor, OH (fringe/occupancy + OH components), overtime premium, travel, system pools, and reproduction.
- Material Handling G&A. The Material Handling G&A rate is applied to all direct material costs, subcontractor costs, consultant costs, and temporary services costs.

BPA NUMBER_____

(Customer Name) Blanket Purchase Agreement

Pursuant to GSA Federal Supply Schedule Contract Number(s)_____, Blanket Purchase Agreements (BPAs), URS Federal Technical Services, Inc. agrees to the following terms of a BPA EXCLUSIVELY WITH (Ordering Agency):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

Special Item Number	***Special BPA Discount/Price**

(2) Delivery:

Destination	**Delivery Schedule/Dates**

(3) The Government estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

(4) This BPA does not obligate any funds.

(5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is (are) hereby authorized to place orders under this BPA:

Office	**Point of Contact**

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor: URS Federal Technical Services, Inc.
(b) Contract Number:
(c) BPA Number:
(d) Special Item Number:
(e) Purchase Order Number:
(f) Date of Purchase:
(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information):
(h) Date of Shipment:

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and URS Federal Technical Services' invoice, the provisions of this BPA will take precedence.

BASIC GUIDELINES FOR USING "CONTRACTOR TEAM ARRANGEMENTS"

Federal Supply Schedule Contractors may use "Contractor Team Arrangements" (see FAR 9.6) to provide solutions when responding to customer agency requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions or the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- Customers identify their requirements.
- Federal Supply Schedule Contractors may individually meet a customer's needs,

  or
- Federal Supply Schedule Contractors may individually submit a Schedules "Team Solution" to meet a customer's requirement.
- Customers make a best-value selection.