

**AUTHORIZED FEDERAL SUPPLY SERVICE  
ENGINEERING AND TECHNICAL SERVICES SCHEDULE PRICELIST  
GROUP 871**

**SIN 871- ENGINEERING AND TECHNICAL SERVICES**

Class CR425	Strategic Planning for Technology Programs/Activities
Class CR425	Concept Development and Requirements Analysis
Class CR425	System Design, Engineering and Integration
Class CR425	Test and Evaluation
Class CR425	Integrated Logistics Support
Class CR425	Acquisition and Life Cycle Management

**Note 1:** All non-professional labor categories must be incidental to and used solely to support hardware, software, and/or professional services, and cannot be purchased separately.

**Note 2:** Offerors and Agencies are advised that the Group 871 – Engineering and Technical Services Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

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**Contract Number:** GS-00F-0059N

**Period Covered by Contract:** 6/16/03 – 6/15/08

**General Services Administration  
Federal Supply Service**

**Pricelist Current through Modification # PA0002, dated 10/30/03**

Products and ordering information in this Authorized FSS – Engineering and Technical Services Schedule Pricelist is also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing Federal Supply Services' Home Page via the Internet at <http://www.fss.gsa.gov/>.

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## INFORMATION FOR ORDERING OFFICES

### Special Notice to Agencies:

#### Small Business Participation

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

For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!<sup>TM</sup> on-line shopping service ([www.fss.gsa.gov](http://www.fss.gsa.gov)). The catalogs/pricelists, GSA Advantage!<sup>TM</sup> and the Federal Supply Service Home Page ([www.fss.gsa.gov](http://www.fss.gsa.gov)) contain information on a broad array of products and services offered by small business concerns.

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

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

#### 1. GEOGRAPHIC SCOPE OF CONTRACT:

The geographic scope of this contract is the 48 contiguous states and the District of Columbia for all items offered.

#### 2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION:

##### Ordering Information:

###### For Mailed Orders:

ASRC Aerospace Corporation  
6303 Ivy Lane Suite 800  
Greenbelt, MD 20770

###### For Facsimile Orders:

**Fax No. 301-837-5502**  
ASRC Aerospace Corporation  
6303 Ivy Lane Suite 800  
Greenbelt, MD 20770

###### For e-Mail Orders:

Donald.Hein@akspace.com

###### To e-Mail RFOs:

Donald.Hein@akspace.com

##### Payment Address:

###### Payment via Check/U.S. Mail:

ASRC Aerospace Corporation  
Attn: Accounts Receivables Dept.  
6303 Ivy Lane Suite 800  
Greenbelt, MD 20770

###### For Payment via ACH/Wire:

Key Bank  
Account no.  
Routing no.

Contractors are required to accept the Government purchase card for payments equal to or less than the micro-purchase threshold for oral or written delivery orders. Government purchase cards will not be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

**Technical and Ordering Assistance:**

Please contact the following individual to obtain technical and/or ordering assistance.

Donald Hein  
Phone: 301-837-5500  
Facsimile: 301-837-5502  
E-mail: Donald.hein@akspace.com

**3. LIABILITY FOR INJURY OR DAMAGE**

The Contractor shall not be liable for any injury to Government personnel or damage to Government property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

**4. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279:**

- Block 9: G. Order/Modification Under Federal Schedule
- Block 16: Data Universal Numbering System (DUNS) Number: 00-443-5470
- Block 30: Type of Contractor – Small Disadvantage Business
- Block 31: Woman-Owned Small Business – No
- Block 36: Contractor's Taxpayer Identification Number (TIN): 52-2055828

4a. CAGE Code: ICZZ9

4b. ASRC Aerospace Corporation **has registered** with the Central Contractor Registration Database

**5. FOB Destination**

**6. DELIVERY SCHEDULE**

a. TIME OF DELIVERY. The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

**ITEMS OR GROUPS OF ITEMS  
(SIN or Nomenclature)**

**EXPEDITED DELIVERY TIME  
(HOURS/DAYS ARO)**

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To be mutually agreed to by ASRC Aerospace Corporation and the ordering agency.

OVERNIGHT AND 2-DAY DELIVERY TIMES. Schedule customers may require overnight or 2-day delivery. The offeror is requested to annotate in its Price List or by separate attachment the items that can be delivered overnight or within 2 days. Contractors offering such delivery service will be required to state in the FSS Price List details concerning this service.

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

**7. DISCOUNTS: Prices shown are NET Prices; Basic Discounts have been deducted.**

- a. Prompt Payment:   0  % Net   30   days from receipt of invoice or date of acceptance, whichever is later.
- b. Government Educational Institutions: Receive the same discount as the Federal Government.

**8. 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.

**9. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING:** None

**10. SMALL REQUIREMENTS:** The minimum dollar value of orders to be issued is \$ 100.00 .

**11. MAXIMUM ORDER:** (All dollar amounts are exclusive of any discount for prompt payment.)

- a. Special Item Number 871 –Engineering and Technical Services. The maximum dollar value per order for all Engineering Professional services will be **\$500,000**.

**12. USE OF FEDERAL SUPPLY SERVICE ENGINEERING AND TECHNICAL SERVICES SCHEDULE CONTRACTS.**

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, synopsise 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.

- a. 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.
- b. 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 supply or service offered under MAS contracts by using the “GSA Advantage!” on-line 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 supply or service representing the best value, the ordering office may consider--
  - (1) Special features of the supply or service that are required in effective program performance and that are not provided by a comparable supply or service;
  - (2) Trade-in considerations;
  - (3) Probable life of the item selected as compared with that of a comparable item;
  - (4) Warranty considerations;
  - (5) Maintenance availability;
  - (6) Past performance; and
  - (7) Environmental and energy efficiency considerations.

- c. 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--

Review additional Schedule Contractors’

- (1) catalogs/pricelists or use the "GSA Advantage!" on-line shopping service;
- (2) 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); and
- (3) 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, the Contractor may:

- (1) 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);
  - (2) Offer the lowest price available under the contract; or
  - (3) Decline the order (orders must be returned in accordance with FAR 52.216-19).
- d. Blanket Purchase Agreements (BPAs). The establishment of Federal Supply Schedule BPAs is permitted when following the ordering procedures in FAR 8.404. All schedule contracts contain BPA provisions. Ordering offices may use BPAs to establish accounts with Contractors to fill recurring requirements. BPAs should address the frequency of ordering and invoicing, discounts, and delivery locations and times.
- e. Price Reductions. In addition to the circumstances outlined in paragraph c, 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 supply or 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.
- f. 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.
- g. Documentation. Orders should be documented, at a minimum, by identifying the Contractor 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.

### **13. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS**

**REQUIREMENTS:** Federal departments and agencies acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering offices, shall be responded to promptly by the Contractor.

#### **13.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS):** Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

- 13.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS):** Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301)975-2833.
- 14. 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 ten percent (10%) or \$100,000, of the total dollar value of the order, whichever is less.
- 15. CONTRACT ADMINISTRATION FOR ORDERING OFFICES:** Any ordering office, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the Government's convenience, and (m) Termination for Cause (See C.1.)
- 16. GSA Advantage!**  
GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. GSA Advantage! will allow the user to perform various searches across all contracts including, but not limited to:
- (1) Manufacturer;
  - (2) Manufacturer's Part Number; and
  - (3) Product categories.
- Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex.: NetScape). The Internet address is <http://www.fss.gsa.gov/>.
- 17. PURCHASE OF INCIDENTAL, NON-SCHEDULE ITEMS:** For administrative convenience, open market (non-contract) items may be added to a Federal Supply Schedule Blanket Purchase Agreement (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 (non-contract) items.
- 18. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS**
- a. For the purpose of this contract, commitments, warranties and representations include, 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 which 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 the Contractor.
  - b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

**19. OVERSEAS ACTIVITIES**

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

None

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.

**20. BLANKET PURCHASE AGREEMENTS (BPAs)**

Federal Acquisition Regulation (FAR) 13.303-1(a) defines Blanket Purchase Agreements (BPAs) as "...a simplified method of filling anticipated repetitive needs for supplies or services by establishing 'charge accounts' with qualified sources of supply." The use of Blanket Purchase Agreements under the Federal Supply Schedule Program is authorized in accordance with FAR 13.303-2(c)(3), which reads, in part, as follows:

"BPAs may be established with Federal Supply Schedule Contractors, if not inconsistent with the terms of the applicable schedule contract."

Federal Supply Schedule contracts contain BPA provisions to enable schedule users to maximize their administrative and purchasing savings. This feature permits schedule users to set up "accounts" with Schedule Contractors to fill recurring requirements. These accounts establish a period for the BPA and generally address issues such as the frequency of ordering and invoicing, authorized callers, discounts, delivery locations and times. Agencies may qualify for the best quantity/volume discounts available under the contract, based on the potential volume of business that may be generated through such an agreement, regardless of the size of the individual orders. In addition, agencies may be able to secure a discount higher than that available in the contract based on the aggregate volume of business possible under a BPA. Finally, Contractors may be open to a progressive type of discounting where the discount would increase once the sales accumulated under the BPA reach certain prescribed levels. Use of a BPA may be particularly useful with the new Maximum Order feature. See the Suggested Format, contained in this Schedule Pricelist, for customers to consider when using this purchasing tool.

**21. CONTRACTOR TEAM ARRANGEMENTS**

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Contractor's Reports of Sales and 552.238-76, Industrial Funding Fee, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

**22. INSTALLATION, DEINSTALLATION, REINSTALLATION**

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The requisitioning activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8.

**23. SECTION 508 COMPLIANCE**

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following company website: [www.akspace.com](http://www.akspace.com).

The EIT standard can be found at: [www.Section508.gov/](http://www.Section508.gov/).

## **TERMS AND CONDITIONS APPLICABLE TO ENGINEERING AND TECHNICAL SERVICES (SPECIAL ITEM NUMBER 871)**

### **1. SCOPE**

- a. The prices, terms and conditions stated under Special Item Number 871 Engineering and Technical Services apply exclusively to Engineering Services within the scope of this Engineering and Technical Services Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the Government location, as agreed to by the Contractor and the ordering office.

### **2. PERFORMANCE INCENTIVES**

- a. When using a performance based statement of work, performance incentives may be agreed upon between the Contractor and the ordering office on individual fixed price orders or Blanket Purchase Agreements, for fixed price tasks, under this contract in accordance with this clause.
- b. The ordering office must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. To the maximum extent practicable, ordering offices shall consider establishing incentives where performance is critical to the agency's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.
- d. The above procedures do not apply to Time and Material or labor hour orders.

### **3. ORDERING PROCEDURES FOR SERVICES (REQUIRING A STATEMENT OF WORK)**

FAR 8.402 contemplates that GSA may occasionally find it necessary to establish special ordering procedures for individual Federal Supply Schedules or for some Special Item Numbers (SINs) within a Schedule. GSA has established special ordering procedures for services that require a Statement of Work. These special ordering procedures take precedence over the procedures in FAR 8.404 (b)(2) through (b)(3).

GSA has determined that the prices for services contained in the contractor's price list applicable to this Schedule 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.

- (a) When ordering services, ordering offices shall—
  - (1) Prepare a Request (Request for Quote or other communication tool):
    - (i) A statement of work (a performance-based statement of work is preferred) 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 (i.e., security clearances, travel, special knowledge, etc.) should be prepared.
    - (ii) The request should include the statement of work and request the contractors to submit either a firm-fixed price or a ceiling price to provide the services outlined in the statement of work. 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 cost 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 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 statement of work. 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 or Joint Travel Regulations. A ceiling price must be established for labor-hour and time-and-materials orders.

(iii) The request may ask the contractors, if necessary or appropriate, to submit a project plan for performing the task, and information on the contractor's experience and/or past performance performing similar tasks.

(iv) The request shall notify the contractors what basis will be used for selecting the contractor to receive the order. The notice shall include the basis for determining whether the contractors are technically qualified and provide an explanation regarding the intended use of any experience and/or past performance information in determining technical qualification of responses. If consideration will be limited to schedule contractors who are small business concerns as permitted by paragraph (2)(i) below, the request shall notify the contractors that will be the case.

(2) Transmit the Request to Contractors:

(i) Based upon an initial evaluation of catalogs and price lists, the ordering office should identify the contractors that appear to offer the best value (considering the scope of services offered, pricing and other factors such as contractors' locations, as appropriate). When buying Engineering and Technical Services under SIN 871 ONLY, the ordering office, at its discretion, may limit consideration to those schedule contractors that are small business concerns. This limitation is not applicable when buying supplies and/or services under other SINs as well as SIN 871. The limitation may only be used when at least three (3) small businesses that appear to offer services that will meet the agency's needs are available, if the order is estimated to exceed the micro-purchase threshold.

(ii) The request should be provided to three (3) contractors if the proposed order is estimated to exceed the micro-purchase threshold, but not exceed the maximum order threshold. For proposed orders exceeding the maximum order threshold, the request should be provided to additional contractors that offer services that will meet the agency's needs. Ordering offices should strive to minimize the contractors' costs associated with responding to requests for quotes for specific orders. Requests should be tailored to the minimum level necessary for adequate evaluation and selection for order placement. Oral presentations should be considered, when possible.

(3) Evaluate Responses and Select the Contractor to Receive the Order:

After responses have been evaluated against the factors identified in the request, the order should be placed with the schedule contractor that represents the best value. (See FAR 8.404)

(b) The establishment of Federal Supply Schedule Blanket Purchase Agreements (BPAs) for recurring services is permitted 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—

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

(i) 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 that represents the best value should be awarded the BPA. (See FAR 8.404)

(ii) 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 procedures in (a)(2)(ii) above and then place the order with the Schedule contractor that represents the best value.

(2) 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. (See FAR 8.404)

(c) 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.

(d) When the ordering office's requirement involves both products as well as executive, administrative and/or professional, services, the ordering office should total the prices for the products and the firm-fixed price for the services and select the contractor that represents the best value. (See FAR 8.404)

The ordering office, at a minimum, should document orders by identifying the contractor from which the services were purchased, 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' quotes that formed the basis for the selection of the contractor that received the order and the rationale for any trade-offs made in making the selection.

Ordering procedures for other services available on schedule at fixed prices for specifically defined services or tasks should use the procedures in FAR 8.404. These procedures are listed in the pricelist, under "Information for Ordering Offices," paragraph #12.

#### **4. ORDER**

a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include 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.

b. 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.

#### **5. PERFORMANCE OF SERVICES**

a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering office.

b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering office.

c. The Agency should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d. Any Contractor travel required in the performance of Engineering Services must comply with the Federal Travel Regulation or Joint Travel Regulations, 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.

#### **6. 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 (JAN 1986) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

#### **7. RESPONSIBILITIES OF THE CONTRACTOR**

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 Rights in Data - General, may apply.

#### **8. RESPONSIBILITIES OF THE GOVERNMENT**

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

## **9. INDEPENDENT CONTRACTOR**

All Engineering Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the Government.

## **10. 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 the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

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 the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity 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 the Contractors, 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, which may require restrictions, are provided at FAR 9.508.

## **11. INVOICES**

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

## **12. PAYMENTS**

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

## **13. RESUMES**

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

## **14. 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.

## **15. APPROVAL OF SUBCONTRACTS**

The ordering activity may require that the Contractor receive, from the ordering activity’s Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

## 16. LABOR CATEGORY INFORMATION

### LABOR CATEGORY DESCRIPTIONS

Commercial Job Title: Administrative Assistant

Minimum/General Experience: Seven years of experience in office administration.

Functional Responsibility: Directly supports Program Manager, Project Manager, or Task Manager by maintaining personnel and other project files, preparing correspondence and schedules, and coordinating travel. Assists in the preparation of presentation graphics and supports the development and reproduction of contract deliverables and reports. Uses office automation software such as word processors, spreadsheets, graphics programs, and project management packages. Uses greater judgment and initiative to determine the approach or action to take in non-routine situations.

Minimum Education: High School diploma.

Commercial Job Title: Consultant

Minimum/General Experience: Three years experience consulting on implementing organization's quality and process improvement initiatives and supporting agency's process improvement and quality training efforts.

Functional Responsibility: Provides consulting to managers, supervisors, and the workforce on implementation of an organization's quality and process improvement initiatives. Presents quality workshops, seminars, and training sessions. Conducts and assists with benchmarking and surveys. Facilitates process improvement efforts. Manages a team of junior consultants and analysts supporting an agency's process improvement and quality training efforts.

Minimum Education: Bachelor's degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Senior Consultant

Minimum/General Experience: Seven years of experience consulting with directors and senior managers on quality improvement, developing and conducting training and workshops relating to quality implementation and customer service.

Functional Responsibility: Provides consulting to directors and senior managers on implementation of agency-wide quality and process improvement initiatives. Develops, leads, and conducts quality workshops, seminars, training sessions, and facilitation. Tailors quality improvement workshops and courses for an organization and its specific needs. Leads and conducts benchmarking and surveys.

Facilitates process improvement efforts requiring a mastery of technical subject matter and experience in specific programs or processes. Manages a team of consultants and analysts supporting an agency's process improvement and quality training efforts. Generates papers and documents.

Minimum Education: Master's Degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Principal Consultant

Minimum/General Experience: Twelve years of experience consulting with directors and senior managers on quality improvement, developing and conducting training and workshops relating to quality implementation and customer service.

Functional Responsibility: Provides consulting to agency heads, directors, and senior managers on implementation of agency-wide quality and process improvement initiatives. Designs, organizes, leads, and conducts executive-level workshops, seminars, training, and facilitation. Tailors quality improvement courses for an agency. Designs, organizes, and leads benchmarking and surveys. Facilitates process improvement efforts requiring a mastery of technical expertise in scientific/technical disciplines. Manages a team of senior consultants and analysts in supporting an agency's process improvement and quality training efforts.

Minimum Education: Master's Degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Engineer I

Minimum/General Experience: Two years of experience in development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design.

Functional Responsibility: Assists senior engineers with development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design. Tasks may include the fabrication, modification, evaluation, and analysis of components for use in sub-system. May be involved in all phases of product development including requirements definition, conceptual development design, integration and test, and operations assessment.

Minimum Education: Associate degree or certification in general engineering.

Commercial Job Title: Engineer II

Minimum/General Experience: Four years of experience in Performing standard engineering development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design.

Functional Responsibility: Performs standard engineering development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design. Additionally, may perform systems engineering functions in defining system architecture and design flow. Tasks may include the fabrication, modification, evaluation, and analysis of components for use in sub-system. May be involved in all phases of product development including requirements definition, conceptual development design, integration and test, and operations assessment. Performs trade-off analyses. Gathers data related to requirements and system performance. Organizes data to assist in troubleshooting system failures and sub-optimal system performance.

Minimum Education: Bachelor's degree in general engineering.

Commercial Job Title: Engineer III

Minimum/General Experience: Seven years of experience in Performing complex engineering development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design.

Functional Responsibility: Performs complex engineering development and design work including (but not limited to) logic design, circuit design, I/O design, instrumentation design, firmware development, model formulation, manufacturing and development cost projections, computer architecture analysis and design, network structure design, mechanical design, and optical design. Additionally, may perform systems engineering functions in defining system architecture and design flow. Tasks may include the fabrication, modification, evaluation, and analysis of components for use in sub-system. May be involved in all phases of product development including requirements definition, conceptual development design, integration and test, and operations assessment. Performs trade-off analyses. Gathers data related to requirements and system performance. Organizes data to assist in troubleshooting system failures and sub-optimal system performance.

Minimum Education: Bachelor's degree general engineering.

Commercial Job Title: Program Manager

Minimum/General Experience: Seven to ten years of progressively responsible experience, including five years of experience managing programs of similar size and complexity. Demonstrated ability to plan and execute program-level responsibilities effectively.

Functional Responsibility: Oversees the execution of multiple concurrent projects or task orders. Develops an understanding of the mission and goals of the client organization, and works with the client to develop and communicate appropriate management objectives for the program. Formulates critical success factors for the program. Leads the planning effort for the program and its possible contingencies. Establishes the program management structure, and assigns project managers and task leaders. Obtains and commits corporate resources. Provides executive-level review of plans, progress and products. Establishes quality standards and cost controls.

Minimum Education: A Bachelor's degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Project Manager

Minimum/General Experience: Seven to fifteen years of applicable experience, including five years of specialized experience in supervision of projects of similar size and complexity.

Functional Responsibility: Provides competent leadership and responsible program direction through successful performance of a variety of detailed and diverse elements of a project's lifecycle. Plans, organizes, and controls the overall activities of the project -- i.e., project management, staffing, requirements definition, technical work, quality of products, and costs associated with the project. Ensures that all activities conform to the terms and conditions of the contract. Provides administrative oversight, handles contractual matters, and serves as liaison between the Contracting Officer's Technical Representative (COTR), the Contracting Officer (CO), and corporate management. Consults with COTR and users to reduce costs and maximize efficiency in achieving the stated requirements. Schedules and assigns duties to subordinates and subcontractors, and ensures that assignments are completed as directed. Coordinates activities and seeks resolution of contractual and technical problems while working with the CO, the COTR, and the Government project manager.

Minimum Education: A Bachelor's degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment

Commercial Job Title: Software Engineer I

Minimum/General Experience: One to two years of systems/programming experience including three years of specialized experience in software engineering.

Functional Responsibility: Performs software development and support using formal specifications, data flow diagrams, object-oriented methods, or other commonly accepted design techniques, generally making use of computer aided software engineering (CASE) tools. Implements or evaluates software tools and subsystems to support software reuse and domain analysis. Performs the validation and certification of reusable software components and other software artifacts along with a software reuse repository. Estimates software development costs and schedules. Manages and performs software configuration management. Conducts integration and test activities. Evaluates and recommends tools which support analysis and development.

Specialized experience in software engineering includes specific knowledge in one or more of the following areas: 3GL and 4GL programming languages (e.g., Ada, C, C++, Object Pascal), 4GL object-oriented client-server development tools (e.g., Visual Basic, Delphi, PowerBuilder), database technology, network operating systems, and Internet Web technology. May write embedded processor-based software in addition to PC-hosted application software.

Minimum Education: Bachelor's degree in General Engineering or Computer Science.

Commercial Job Title: Software Engineer II

Minimum/General Experience: Four to seven years of computer systems/programming experience including six years of specialized experience in software engineering. A Master's degree and 8 years of relevant experience may be substituted.

Functional Responsibility: Manages software development and support using formal specifications, data flow diagrams, object-oriented methods, or other commonly accepted design techniques, generally making use of computer aided software engineering (CASE) tools. Assists in defining architecture and standards for design and development. Designs and manages

the implementation and design of software tools and subsystems to support software reuse and domain analysis. Manages the validation and certification of reusable software components and other software artifacts along with a software reuse repository. Estimates software development costs and schedules. Oversees and sets policy for software configuration management. Manages integration and test activities. Develops, evaluates, and recommends tools which support analysis and development.

Specialized experience in software engineering includes specific knowledge of 3GL and 4GL programming languages (e.g., Ada, C, C++, Object Pascal), 4GL object-oriented client-server development tools (e.g., Visual Basic, Delphi, PowerBuilder), database technology, network operating systems, and Internet Web technology. May write embedded processor-based software in addition to PC-hosted application software.

Minimum Education: Bachelor's degree in General Engineering or Computer Science.

Commercial Job Title: Software Engineer III

Minimum/General Experience: seven to ten years of computer systems/programming experience including six years of specialized experience in software engineering. A Master's degree and 10 years of relevant experience may be substituted. With 12 years of general experience of which 10 years is specialized, a degree is not required.

Functional Responsibility: Manages software development and support using formal specifications, data flow diagrams, object-oriented methods, or other commonly accepted design techniques, generally making use of computer aided software engineering (CASE) tools. Assists in defining architecture and standards for design and development. Designs and manages the implementation and design of software tools and subsystems to support software reuse and domain analysis. Manages the validation and certification of reusable software components and other software artifacts along with a software reuse repository. Estimates software development costs and schedules. Oversees and sets policy for software configuration management. Manages integration and test activities. Develops, evaluates, and recommends tools which support analysis and development.

Specialized experience in software engineering includes specific knowledge of 3GL and 4GL programming languages (e.g., Ada, C, C++, Object Pascal), 4GL object-oriented client-server development tools (e.g., Visual Basic, Delphi, PowerBuilder), database technology, network operating systems, and Internet Web technology. May write embedded processor-based software in addition to PC-hosted application software.

Minimum Education: Bachelor's degree in General Engineering or Computer Science.

Commercial Job Title: Subject Matter Expert III

Minimum/General Experience: Ten to fifteen years of experience Providing expert consulting, design, implementation, and/or facilitation assistance in a specific technical discipline or technology, in situations that require specialized expertise.

Functional Responsibility: Provides expert consulting, design, implementation, and/or facilitation assistance in a specific technical discipline or technology, in situations that require specialized expertise. Areas of expertise may include, for example: systems architecture, video teleconferencing, robotics, computer security, user interface design, decision support, artificial intelligence, command and control, risk management, speech processing, modeling and simulation, and program evaluation.

Minimum Education: Master's Degree in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment

Commercial Job Title: Systems Engineer I

Minimum/General Experience: One to two years of systems analysis and Systems Integration experience.

Functional Responsibility: Analyzes software and system requirements to determine current capabilities and system functions. Interviews end-users and reviews business process documentation to determine system requirements. Uses current information system technology to generate detailed sets of system requirements in graphical and textual format suitable for use by programmers.

Minimum Education: Bachelors in Business, Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Systems Engineer II

Minimum/General Experience: Two to five years of systems analysis and systems integration experience.

Functional Responsibility: Analyzes system requirements to determine current capabilities and system functions. Analyzes high-level mission requirements, interviews end-users, reviews business process documentation, and performs studies as needed to evaluate system architecture and system interfaces and to determine system requirements. Uses current information about system technology to generate detailed sets of system requirements in graphical and textual format. May serve as lead analyst, providing supervision and technical guidance to other project members for particular tasks. Interacts with the client engineers and customers in order to exercise good judgment in achieving project goals.

Minimum Education: Bachelors in Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment.

Commercial Job Title: Systems Engineer III

Minimum/General Experience: Five to seven years of systems analysis and systems integration experience.

Functional Responsibility: Analyzes system requirements to determine current capabilities and system functions. Analyzes high-level mission requirements, interviews end-users, reviews business process documentation, and performs studies as needed to evaluate system architecture and system interfaces and to determine system requirements. Uses current information about system technology to generate detailed sets of system requirements in graphical and textual format. May serve as lead analyst, providing supervision and technical guidance to other project members for particular tasks. Interacts with the client engineers and customers in order to exercise good judgment in achieving project goals.

Minimum Education: Master's degree in Engineering, Management, Social/Physical Science, Mathematics, or other discipline functionally related to the work assignment

Commercial Job Title: Technical Writer I

Minimum/General Experience: One to two years of experience managing and developing documentation of all aspects of the system development life cycle. Requires knowledge of systems development life cycle; also requires knowledge of technical writing tools and techniques.

Functional Responsibility: Manages and coordinates documentation of the system development life cycle for projects. Writes, edits and rewrites material of a technical nature. Prepares manuals, user guides, and other technical documentation for presentation. Possesses excellent writing skills and uses a variety of tools and techniques to organize and present information. Understands ADP operations and communicates effectively verbally and in writing.

Minimum Education: Bachelor's degree in Business, Computer Science, Social Science

Commercial Job Title: Technical Writer II

Minimum/General Experience: Two to four years of experience planning, managing, and developing documentation of all aspects of the system development life cycle. Requires knowledge of system development life cycle and knowledge of technical writing tools and techniques.

Functional Responsibility: Plans, manages and coordinates documentation of all aspects of the system development life cycle for projects. Establishes documentation guidelines and practices. Writes, edits and rewrites material of a technical nature. Prepares manuals, user guides, and other technical documentation for presentation. Possesses excellent writing skills and uses a variety of tools and techniques to organize and present information. Understands ADP operations and communicates effectively orally and in writing.

Minimum Education: Bachelor's degree in Business, Computer Science, Social Science



## ENGINEERING AND TECHNICAL SERVICES PRICE LIST

<b>Professional Engineering Services Labor Categories (CLIN CR425)</b>		<b>06/16/03- 06/15/04</b>	<b>06/16/04- 06/15/05</b>	<b>06/16/05- 06/15/06</b>	<b>06/16/06- 06/15/07</b>	<b>06/15/07- 06/16/08</b>
<b>Government Site Rate</b>						
1	Administrative Assistant	\$35.00	\$36.40	\$37.86	\$39.37	\$40.95
2	Consultant	\$111.86	\$116.34	\$120.99	\$125.83	\$130.86
3	Senior Consultant	\$123.32	\$128.26	\$133.39	\$138.72	\$144.27
4	Principal Consultant	\$237.45	\$246.95	\$256.83	\$267.10	\$277.78
5	Engineer I	\$55.19	\$57.40	\$59.69	\$62.08	\$64.57
6	Engineer II	\$84.62	\$88.00	\$91.52	\$95.19	\$98.99
7	Engineer III	\$102.61	\$106.72	\$110.99	\$115.43	\$120.04
8	Program Manager	\$117.84	\$122.55	\$127.45	\$132.55	\$137.85
9	Project Manager	\$95.20	\$99.01	\$102.97	\$107.09	\$111.37
11	Software Engineer I	\$52.89	\$55.01	\$57.21	\$59.50	\$61.88
12	Software Engineer II	\$73.51	\$76.45	\$79.51	\$82.69	\$85.99
13	Software Engineer III	\$82.21	\$85.49	\$88.91	\$92.47	\$96.17
14	Subject Matter Expert III	\$122.71	\$127.62	\$132.73	\$138.04	\$143.56
15	Systems Engineer I	\$56.38	\$58.63	\$60.98	\$63.42	\$65.96
16	Systems Engineer II	\$81.21	\$84.46	\$87.84	\$91.35	\$95.00
17	Systems Engineer III	\$88.38	\$91.91	\$95.59	\$99.41	\$103.39
18	Technical Writer I	\$37.86	\$39.37	\$40.95	\$42.58	\$44.29
19	Technical Writer II	\$56.42	\$58.68	\$61.02	\$63.46	\$66.00

<b>Professional Engineering Services Labor Categories (CLIN 425)</b>		<b>06/16/03- 06/15/04</b>	<b>06/16/04- 06/15/05</b>	<b>06/16/05- 06/15/06</b>	<b>06/16/06- 06/15/07</b>	<b>06/15/07- 06/16/08</b>
<b>Contractor Site Rates</b>						
		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
1	Administrative Assistant	\$43.29	\$45.02	\$46.82	\$48.69	\$50.64
2	Consultant	\$112.14	\$116.63	\$121.29	\$126.14	\$131.19
3	Senior Consultant	\$142.07	\$147.75	\$153.66	\$159.81	\$166.20
4	Principal Consultant	\$238.04	\$247.56	\$257.46	\$267.76	\$278.47
5	Engineer I	\$67.74	\$70.45	\$73.27	\$76.20	\$79.25
6	Engineer II	\$109.86	\$114.25	\$118.82	\$123.57	\$128.52
7	Engineer III	\$126.87	\$131.94	\$137.22	\$142.71	\$148.42
8	Program Manager	\$145.70	\$151.53	\$157.59	\$163.89	\$170.45
9	Project Manager	\$125.52	\$130.54	\$135.77	\$141.20	\$146.84
11	Software Engineer I	\$70.93	\$73.77	\$76.72	\$79.79	\$82.98
12	Software Engineer II	\$82.97	\$86.29	\$89.74	\$93.33	\$97.06
13	Software Engineer III	\$95.64	\$99.46	\$103.44	\$107.58	\$111.88
14	Subject Matter Expert III	\$151.73	\$157.80	\$164.11	\$170.68	\$177.51
15	Systems Engineer I	\$70.83	\$73.66	\$76.61	\$79.68	\$82.86
16	Systems Engineer II	\$95.47	\$99.28	\$103.26	\$107.39	\$111.68
17	Systems Engineer III	\$112.76	\$117.27	\$121.96	\$126.84	\$131.91

18	Technical Writer I	\$44.15	\$45.92	\$47.75	\$49.66	\$51.65
19	Technical Writer II	\$65.00	\$67.60	\$70.30	\$73.12	\$76.04

**ENGINEERING AND TECHNICAL SERVICES  
PRODUCT DESCRIPTION**

**AMCS-5**

The AMCS-5 card provides five independent detector channels for time resolved photon counting applications. This compact, low power (0.5watts per channel) multichannel scaler (MCS) card is used used in pulse counting, integrating, and histogramming applications. The card accepts five different pulse inputs from photon detectors that are counted simultaneously based upon a single Sync input signal. The card conforms to the PC/104 form factor (3.6" x 3.8") and is typically used as part of an embedded, stacked PC/104 system. Software drivers are also available.

**AMCS-USB**

The AMCS-USB card provides four independent detector channels for time resolved photon counting applications. This compact, low power multichannel scaler (MCS) card is used used in pulse counting, integrating, and histogramming applications. The card accepts four different pulse inputs from photon detectors that are counted simultaneously based upon a single Sync input signal. A USB 1.1 interface provides for a convenient interface to a PC to display the results and to change programmable parameters. Software drivers are also available.

**AMCS-USB+**

The AMCS-USB+ card provides up to eight independent detector channels for time resolved photon counting applications. This compact, low power multichannel scaler (MCS) card is used used in pulse counting, integrating, and histogramming applications. The card accepts eight different pulse inputs from photon detectors that are counted simultaneously based upon a single Sync input signal. A USB 1.1 interface provides for a convenient interface to a PC to display the results and to change programmable parameters. Software drivers are also available.

**IMAGE SIMULATOR**

The Image Simulator is a programmable video pattern tester card in a desktop enclosure. It can be used as a stand-alone tester providing a number of selectable patterns.

**24-CHANNEL DOE WIND LIDAR**

The 24-channel Wind Lidar Data System was developed to perform wind measurements for NASA Goddard. The design is based on using six AMCS-USB cards, coupled together for simultaneous operation, and housed in a rack-mountable enclosure. The system includes a rack mountable enclosure, acquisition hardware, and application software.

## **ADVANCED MICRO PULSE LIDAR (AMPL) DATA SYSTEM**

The AMPL data system is a complete data system based on the AMCS-USB card. The system includes a rack mountable enclosure, acquisition hardware, and application software. It also includes A/D converters for energy monitor and temperature conversions, a laptop computer, and application software. This system has been used by NASA Goddard as well as by other organizations for a variety of atmospheric studies.

## **4-CHANNEL WIND LIDAR DATA SYSTEM**

The 4-channel Wind Lidar Data System is a complete data system based on the AMCS-USB card. The system includes a rack mountable enclosure, acquisition hardware, and application software

## **SATELITE UPLINK/DOWNLINK CARD**

The Satelite Uplink/Downlink Card is used for satelite uplink commands and the downlink of instrument data. The card conforms to the 6U compact PCI (cPCI) form-factor, providing spacecraft or instrument manufacturers with a standardized product that can be used with other cPCI systems. The downlink channel provides a CCSDS compliant, 80 Mb/sec output with optional hardware compression and Reed-Solomon encoding. ASRC's Uplink/Downlink card has a highly programmable architecture to allow for easy customization. Versions are available for breadboards, Engineering Models (Q4-03), and Flight Models (Q2-04).

**ENGINEERING AND TECHNICAL SERVICES  
PRODUCT PRICELIST**

<b>DESCRIPTION</b>	<b>PRICE</b>
AMCS-5	\$5,032.46
AMCS-USB	\$5,032.46
AMCS-USB+	\$6,543.71
IMAGE SIMULATOR	\$2,459.31
24 CHANNEL DOE WIND LIDAR	\$41,292.24
AMPL LIDAR DATA SYSTEM	\$14,772.97
4-CHANNEL WIND LIDAL DATA SYSTEM	\$10,126.38
SATELITE UPLINK/DOWNLINK CARD	\$22,784.81

**USA COMMITMENT TO PROMOTE  
SMALL BUSINESS PARTICIPATION  
PROCUREMENT PROGRAMS**

**PREAMBLE**

\_\_\_\_\_, provides commercial products and services to the Federal Government. We are committed to promoting participation of small, small disadvantaged, women-owned small, HUBZone small, and veteran-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.

**COMMITMENT**

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

We signify our commitment to work in partnership with small, small disadvantaged, women-owned small, HUBZone small, and veteran-owned small businesses to promote and increase their participation in Federal Government contracts. To accelerate potential opportunities, please contact:

NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
FAX: \_\_\_\_\_  
E:Mail \_\_\_\_\_

*SUGGESTED FORMAT*

**BEST VALUE  
BLANKET PURCHASE AGREEMENT  
FEDERAL SUPPLY SCHEDULE  
(Insert Customer Name)**

In the spirit of the Federal Acquisition Streamlining Act \_\_\_\_ (Agency) \_\_\_\_ and \_\_\_\_ (Contractor) \_\_\_\_ enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Service Administration (GSA) Federal Supply Schedule Contract(s) \_\_\_\_\_.

Federal Supply Schedule contract BPA's eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of bids and offers. Teaming Arrangements are permitted with Federal Supply Schedule contractors in accordance with Federal Acquisition Regulation (FAR) Part 9.6.

This BPA will further decrease costs, reduce paperwork and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the **Government that works better and costs less.**

Signatures:

\_\_\_\_\_  
AGENCY

\_\_\_\_\_  
DATE

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
DATE

**(CUSTOMER NAME)  
BLANKET PURCHASE AGREEMENT**

Pursuant to GSA Federal Supply contract number(s) \_\_\_\_\_, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (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:

MODEL NUMBER/PART 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 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;
- (b) Contract Number;
- (c) BPA Number;
- (d) Model number or National Stock Number (NSN);
- (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); and
- (h) Date of Shipment.

- (9) The requirements of a proper invoice are as 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 the Contractor's 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 a customer agency requirement.

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

Orders under a Team Arrangement are subject to the terms and conditions of 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:

- The Customer identifies their requirements
- Federal Supply Schedule Contractors may individually meet the customer’s need, or –
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.