



**AUTHORIZED FEDERAL ACQUISITION SERVICE  
INFORMATION TECHNOLOGY SCHEDULE PRICELIST  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY  
EQUIPMENT, SOFTWARE AND SERVICES**

Special Item No. 132-8 Purchase of Equipment  
Special Item No. 132-12 Maintenance, Repair Service and Repair Parts/Spare Parts  
Special Item No. 132-51 Information Technology Professional Services  
Special Item No. 132-52 Electronic Commerce Services

Note: Contractor has not been awarded under the cooperative purchasing and disaster recovery programs.

**Arrowhead Global Solutions, Inc.**

2751 Prosperity Avenue, Suite 300

Fairfax, VA 22031-4397

Phone: (703) 752-6800 Fax: (703) 752-7591

Internet Address: <http://www.arrowhead.com>

**Contract Number:**

**GS-35F-5497H**

**Period Covered by Contract:**

**May 18, 1998 through November 16, 2008**

General Services Administration  
Federal Acquisition Service

Pricelist current through Modification #PO-0023, dated September 24, 2008.

Products and ordering information in this Authorized FAS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the Federal Acquisition Service's Home Page via the Internet at <http://www.gsa.gov/fas/>

**SIN 132-8 PURCHASE OF EQUIPMENT**

FSC CLASS 7025 - INPUT/OUTPUT AND STORAGE DEVICES

Network Equipment

**SIN 132-12 - MAINTENANCE OF EQUIPMENT (FPDS Code J070 - Maintenance and Repair Service)**

- Maintenance

**SIN 132-51 - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES**

FPDS Code D301	IT Facility Operation and Maintenance
FPDS Code D302	IT Systems Development Services
FPDS Code D306	IT Systems Analysis Services
FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D310	IT Backup and Security Services
FPDS Code D311	IT Data Conversion Services
FPDS Code D316	IT Network Management Services
FPDS Code D317	Automated News Services, Data Services, or Other Information Services (All other information services belong under Schedule 76)
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified

**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 ordering activities are advised that the Group 70 – Information Technology 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.

**Note 3:** This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performance by the publisher or manufacturer or one of their authorized agents.

**SIN 132-52 - ELECTRONIC COMMERCE (EC) SERVICES**

FPDS Code D304 Internet Access Services

NOTE: Electronic Commerce Services are not intended to supersede or be substitute for any voice requirements of FTS2001.

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**INFORMATION FOR ORDERING ACTIVITIES  
APPLICABLE TO ALL SPECIAL ITEM NUMBERS**

***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!™ on-line shopping service (www.gsa.gov/fas). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Service Home Page (www.gsa.gov/fas) 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**

*Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.*

*Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.*

Offerors are requested to check one of the following boxes:

- The Geographic Scope of Contract will be domestic and overseas delivery.
- The Geographic Scope of Contract will be overseas delivery only.
- The Geographic Scope of Contract will be domestic delivery only.

**2. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION**

**Arrowhead Global Solutions, Inc.  
2751 Prosperity Avenue, Suite 300  
Fairfax, VA 22031-4397**

Contractors are required to accept credit cards for payments equal to or less than the micro-purchase threshold for oral or written delivery orders. Credit cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number can be used by ordering activities to obtain technical and/or ordering assistance:  
**(703) 752-6800**

**3. LIABILITY FOR INJURY OR DAMAGE**

The Contractor shall not be liable for any injury to ordering activity personnel or damage to ordering activity 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: 62-778-5884  
Block 30: Type of Contractor - A. Small Disadvantaged Business

Block 31: Woman-Owned Small Business - Yes

Block 36: Contractor's Taxpayer Identification Number (TIN): 54-1862357

4a. CAGE Code: 0UF45

4b. Contractor 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:

SPECIAL ITEM NUMBER	DELIVERY TIME (Days ARO)
<u>132-8</u>	<u>30</u> Days
<u>132-51</u>	<u>As specified on Individual Task Order</u>
<u>132-52</u>	<u>As specified on Individual Task Order</u>

b. URGENT REQUIREMENTS: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities 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 activity, 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: None, Net 30 days from receipt of invoice or date of acceptance, whichever is later.

b. Quantity: None

c. Dollar Volume: None

d. Government Educational Institutions: None

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**

Not applicable

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. The Maximum Order value for the following Special Item Numbers (SINs) is \$500,000:

Special Item Number 132-8 - Purchase of Equipment

Special Item Number 132-12 – Maintenance of Equipment, Repair Service, and Repair Parts/Spare Parts

Special Item Number 132-51 - Information Technology (IT) Professional Services

Special Item Number 132-52 - Electronic Commerce (EC) Services

12. **ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS**

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.

b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

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

Ordering activities 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 activities, 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 Acquisition 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. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2001)**

(a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.

(b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. The Industrial Funding Fee does NOT apply to travel and per diem charges.

*(NOTE: Refer to FAR Part 31.205-46 Travel Costs, for allowable costs that pertain to official company business travel in regards to this contract.)*

(c) Certifications, Licenses and Accreditations: As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.

(d) Insurance: As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.

(e) Personnel: The Contractor may be required to provide key personnel, resumes or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.

- (f) Organizational Conflicts of Interest: Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- (g) Documentation/Standards: The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.
- (h) Data/Deliverable Requirements: Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- (i) Government-Furnished Property: As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- (j) Availability of Funds: Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.

**15. CONTRACT ADMINISTRATION FOR ORDERING ACTIVITIES**

Any ordering activity, 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 ordering activity'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.gsa.gov/fas/>.

**17. PURCHASE OF OPEN MARKET ITEMS**

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. ODCs (Other Direct Costs) are not part of this contract and should be treated as open market purchases. Ordering Activities procuring open market items must follow FAR 8.401(d). For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if-**

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

**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 ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity 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)**

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

**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, Industrial Funding Fee and Sales Reporting, 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 ordering 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: N/A

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

**24. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES**

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order

- (a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and
- (b) The following statement:  
"This order is placed under written authorization from \_\_\_\_\_ dated \_\_\_\_\_. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern."

**25. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)**

- (a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.
- (b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—
  - (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
  - (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.
- (c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

**26. SOFTWARE INTEROPERABILITY**

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

**27. ADVANCE PAYMENTS**

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT  
(SPECIAL ITEM NUMBER 132-8)**

**1. MATERIAL AND WORKMANSHIP**

All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

**2. ORDER**

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPA) agreements shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

For credit card orders and BPAs, telephone orders are permissible.

**3. TRANSPORTATION OF EQUIPMENT**

**FOB DESTINATION.** Prices cover equipment delivery to destination, for any location within the geographic scope of this contract.

**4. INSTALLATION AND TECHNICAL SERVICES**

a. **INSTALLATION.** When the equipment provided under this contract is not normally self-installable, the Contractor's technical personnel shall be available to the ordering activity, at the ordering activity's location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule:

The NYTOR box is self installable when it is being connected in an established environment. If the NYTOR box is part of a new environment, the NYTOR box, is not self installable. Installation can be provided utilizing the rates listed with-in the contract under Special Item Number 132-51.

b. **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 ordering 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.

c. **OPERATING AND MAINTENANCE MANUALS.** The Contractor shall furnish the ordering activity with one (1) copy of all operating and maintenance manuals which are normally provided with the equipment being purchased.

**5. INSPECTION/ACCEPTANCE**

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any equipment that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming equipment at no increase in contract price. The ordering activity must exercise its postacceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

**6. WARRANTY**

- a. Unless specified otherwise in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.
- d. If inspection and repair of defective equipment under this warranty will be performed at the Contractor's plant, the address is as follows:

**7. PURCHASE PRICE FOR ORDERED EQUIPMENT**

The purchase price that the ordering activity will be charged will be the ordering activity purchase price in effect at the time of order placement, or the ordering activity purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

**8. RESPONSIBILITIES OF THE CONTRACTOR**

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

**9. TRADE-IN OF INFORMATION TECHNOLOGY EQUIPMENT**

When an ordering activity determines that Information Technology equipment will be replaced, the ordering activity shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR 101-43.6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).

**TERMS AND CONDITIONS APPLICABLE TO MAINTENANCE, REPAIR  
SERVICE AND REPAIR PARTS/SPARE PARTS FOR GOVERNMENT-OWNED  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY  
EQUIPMENT (AFTER EXPIRATION OF GUARANTEE/WARRANTY  
PROVISIONS AND/OR WHEN REQUIRED SERVICE IS NOT COVERED  
BY GUARANTEE/WARRANTY PROVISIONS) AND FOR LEASED EQUIPMENT  
(SPECIAL ITEM NUMBER 132-12)**

**1. SERVICE AREAS**

- a. The maintenance rates listed herein are applicable to any ordering activity location. If any additional charge is to apply because of the greater distance from the Contractor's service locations, the mileage rate or other distance factor shall be stated in paragraphs 5.d of this Special Item Number 132-12.

**2. MAINTENANCE ORDER**

- a. Agencies may use written orders, EDI orders, credit card orders, or BPAs, for ordering maintenance under this contract. The Contractor shall confirm orders within fifteen (15) calendar days from the date of receipt, except that confirmation of orders shall be considered automatic for renewals for maintenance (Special Item Number 132-12). Automatic acceptance of order renewals for maintenance service shall apply for machines which may have been discontinued from use for temporary periods of time not longer than 120 calendar days. If the order is not confirmed by the Contractor as prescribed by this paragraph, the order shall be considered to be confirmed by the Contractor.
- b. The Contractor shall honor orders for maintenance for the duration of the contract period or a lesser period of time, for the equipment shown in the pricelist. Maintenance service shall commence on a mutually agreed upon date, which will be written into the maintenance order. Maintenance orders shall not be made effective before the expiration of any applicable maintenance and parts guarantee/warranty period associated with the purchase of equipment. Orders for maintenance service shall not extend beyond the end of the contract period.
- c. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice, or shorter notice when agreed to by the Contractor; such notice to become effective thirty (30) calendar days from the date on the notification. However, the ordering activity may extend the original discontinuance date upon written notice to the Contractor, provided that such notice is furnished at least ten (10) calendar days prior to the original discontinuance date.
- d. Annual Funding. When annually appropriated funds are cited on a maintenance order, the period of maintenance shall automatically expire on September 30th of the contract period, or at the end of the contract period, whichever occurs first. Renewal of a maintenance order citing the new appropriation shall be required, if maintenance is to continue during any remainder of the contract period.
- e. Cross-year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month, fiscal year period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
- f. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of maintenance service, if maintenance is to be terminated at that time. Orders for continued maintenance will be required if maintenance is to be continued during the subsequent period.

**3. SCOPE**

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of this Information Technology Schedule.

- b. Equipment placed under maintenance service shall be in good operating condition.
  - (1) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
  - (2) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor's guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
  - (3) If the equipment was not under the Contractor's responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of Special Item Number 132-12 (or outside the scope of this contract).

**4. RESPONSIBILITIES OF THE ORDERING ACTIVITY**

- a. Ordering activity personnel shall not perform maintenance to equipment while such equipment is under the purview of a maintenance order, unless agreed to by the Contractor.
- b. Subject to security regulations, the ordering activity shall permit access to the equipment which is to be maintained or repaired.

**5. MAINTENANCE RATE PROVISIONS**

- a. The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.
- b. **REGULAR HOURS**  
The basic monthly rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed at the ordering activity location.
- c. **AFTER HOURS**  
Should the Government require that maintenance be performed outside of Regular Hours, charges for such maintenance, if any, will be specified in the pricelist. Periods of less than one hour will be prorated to the nearest quarter hour.
- d. **TRAVEL AND TRANSPORTATION**  
If any charge is to apply, over and above the regular maintenance rates, because of the distance between the ordering activity location and the Contractor's service area, the charge will be in accordance with the Federal Travel Regulation (FTR) or Joint Travel Regulation (JTR) as applicable.

**6. INVOICES AND PAYMENTS**

- a. Maintenance Service
  - 1) Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). **PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.**
  - 2) Payment for maintenance service of less than one month's duration shall be prorated at 1/30th of the monthly rate for each calendar day.

**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT)  
PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51) AND  
ELECTRONIC COMMERCE (EC) SERVICES (SPECIAL ITEM NUMBER 132-52)**

**1. SCOPE**

- a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services and Special Item Number 132-52 Electronic Commerce Services apply exclusively to IT/EC Services within the scope of this Information Technology Schedule.
- b. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

**2. PERFORMANCE INCENTIVES**

- a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract in accordance with this clause.
- b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

**3. 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 (Deviation – May 2003) 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.

**4. PERFORMANCE OF SERVICES**

- a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- c. The ordering activity 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 IT/EC 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.

**5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)**

- (a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the

Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
  - (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
  - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

## **6. INSPECTION OF SERVICES**

The Inspection of Services-Fixed Price (AUG 1996) (Deviation – May 2003) 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) (Deviation – May 2003) 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 (Deviation – May 2003) Rights in Data – General, may apply.

## **8. RESPONSIBILITIES OF THE ORDERING ACTIVITY**

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT/EC Services.

## **9. INDEPENDENT CONTRACTOR**

All IT/EC 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 ordering activity.

## **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 ordering activity contract, without some restriction on ordering 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 ordering activity, ordering activities 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 IT/EC services. Progress payments may be authorized by the ordering activity 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 ordering activity 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 at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003)) applies to labor-hour orders placed under this contract.

**13. RESUMES**

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity 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 activity 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. DESCRIPTION OF IT/EC SERVICES AND PRICING**

Please refer to the labor category descriptions and pricing incorporated into this GSA Pricelist.

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

PREAMBLE

Arrowhead Global Solutions, Inc. provides commercial products and services to ordering activities. 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.

COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged and women-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 and women-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, and women-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 and women-owned small businesses to promote and increase their participation in ordering activity contracts. To accelerate potential opportunities please contact

**Nora E. Taylor**

**Phone: (703) 752-6840**

[nora.taylor@arrowhead.com](mailto:nora.taylor@arrowhead.com)

**Fax: (703) 752-7591**

**THE FOLLOWING IS A SUGGESTED  
BLANKET PURCHASE AGREEMENT (BPA) FORMAT**

**BEST VALUE  
BLANKET PURCHASE AGREEMENT  
FEDERAL SUPPLY SCHEDULE**

(Insert Customer Name)

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

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 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 ordering activity that works better and costs less.

Signatures

\_\_\_\_\_  
Ordering Activity

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date

**(CUSTOMER NAME)  
BLANKET PURCHASE AGREEMENT**

Pursuant to GSA Federal Supply Schedule Contract Number(s) \_\_\_\_\_, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (Ordering Activity):

- (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 SCHEDULES / DATES
_____	_____
_____	_____
_____	_____

- (3) The ordering activity 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 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 ordering activity 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 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 customers needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.

**ARROWHEAD GLOBAL SOLUTIONS, INC.'S INFORMATION**  
**TECHNOLOGY LABOR CATEGORY DESCRIPTIONS &**  
**AUTHORIZED GSA PRICING**

**1. ENGINEERING SCIENCE ADVISOR**

Onsite: \$168.15/Hr.

Offsite: \$202.58/Hr.

**Functional Responsibility:** Apply skills in the interface of software with computer hardware systems. Efforts may include application of computer-aided software engineering (CASE) tools, complex software system development, spectrum analysis, business process reengineering, management analysis, environmental application, and others. Perform project management functions as needed.

**Education/Experience:** Master's Degree in Engineering, Computer Science or related discipline. Twelve years experience in providing overall administrative, technical direction, and maintenance support to a computer operations, activity/facility, generally consisting of multiple, complex mainframe, client server, or telecommunications/satellite communication systems.

**2. SUBJECT MATTER EXPERT**

Onsite: \$163.62/Hr.

Offsite: \$197.11/Hr.

**Functional Responsibility:** This position performs in highly specialized subject areas such as satellite telecommunications, financial systems, BPR, human factors engineering and systems design or engineering. The SME provides technical/and/or specialized guidance concerning complex problems or challenges in the subject matter field. Perform analysis and studies; prepare reports and give presentations. Works independently or as a member of a team.

**Education/Experience:** Bachelor's Degree in appropriate subject matter field or equivalent relevant experience. The SME will usually have fifteen years experience in the relevant field or a combination of relevant experience coupled with specialized education or increasingly subject matter experience. Concentrated hands-on experience in the specific discipline of the subject matter field required by a customer task order.

**3. SENIOR TECHNICAL MARKET ANALYST**

Onsite: \$124.35/Hr.

Offsite: \$149.81/Hr.

**Functional Responsibility:** Develops, modifies, applies, & maintains standards for quality operating methods & procedures used throughout programs. Provide coordination & guidance in preparation of engineering level technical appraisals of programming systems, numerical & computing techniques, & the integration of computers into the overall functions of scientific computation, data acquisition, transmission, & processing. Ensure that corrective measures meet acceptable reliability standards. Develop overall operating criteria to ensure implementation of the software quality program according to project & contract requirements. Ensures that project control documentation is compliant to the contract. Review software designs, changes specifications, & related plans against contractual requirements. Review includes applicable specifications, materials, tools, techniques, & methodologies.

**Education/Experience:** This position requires 12 years progressive experience in the applicable field

#### **4. PROGRAM MANAGER**

Onsite: \$124.35/Hr.

Offsite: \$141.59/Hr.

**Functional Responsibility:** Performs day-to-day management of overall contract support operations, possibly involving multiple projects and groups of personnel. Serves as the primary interface and point-of- contact with Government program authorities and representatives on technical and program/project issues. Organizes, directs and coordinates planning and production of all contract support activities. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel, and communicating policies, purposes, and goals of the contractor organization to subordinates. Manages acquisition and employment of program/project resources. Manages and controls financial and administrative aspects of the program/project with respect to contract requirements. Demonstrates writing and oral communications skills. Establishes and alters, as necessary, corporate management structure to direct effective contract support activities. Must be capable of negotiating and making binding decisions for the contractor.

**Education/Experience:** A Bachelor s degree in Computer Science, Information Systems, Telecommunications, Engineering, Business or related discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD in one of the disciplines will be considered equivalent to two years specialized experience and three years general education. Fifteen years experience, of which eight years must be specialized in program management with four years as a Program Manager on a similar contract in terms of size, complexity, and team composition/depth. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources using complex reporting mechanisms, and demonstrated capability in managing multitask contracts and/or subcontracts of various types and complexity. General experience includes increasing responsibilities in information technology and/or telecommunications systems engineering or management.

#### **5. SENIOR PROJECT MANAGER**

Onsite: \$124.35/Hr.

Offsite: \$141.59/Hr.

**Functional Responsibility:** Serves as the project manager for a large, complex project (or a group of large task orders affecting the same program) and works with Government program/project authorities and representatives on technical and program/project issues. Responsible for the overall management of the project/specific task order(s) and ensuring that the technical solutions and schedules for the project and individual task order are implemented in a quality and timely manner. Organizes, directs, and coordinates planning and production of all activities associated with the assigned project/task order(s). Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel and communicating policies, purposes and goals of the organization to subordinates. Demonstrates writing and oral communications skills.

**Education/Experience:** A Bachelor s degree in Computer Science, Information Systems, Telecommunications, Engineering, Business or related discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD in one of the disciplines will be considered equivalent to two years specialized experience and three years general education. With twenty years of experience of which ten is specialized, a degree is not required. Requires a minimum of twelve years experience, of which seven years must be specialized. Specialized experience includes: project development from inception to deployment, expertise in the management and control of funds and resources using complex reporting mechanisms, and demonstrated capability in managing multitask contracts and/or subcontracts of various types and complexity. Must have demonstrated proven skills in those technical areas addressed by the project/task order(s) to be managed. General experience includes increasing responsibilities in information technology and/or telecommunications systems engineering or management.

## 6. PRINCIPLE INFORMATION ENGINEER

Onsite: \$119.16/Hr.

Offsite: \$128.05/Hr.

**Functional Responsibility:** Applies an enterprise-wide set of disciplines for the planning, analysis, design and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Develops analytical and computational techniques and methodology for problem solutions. Performs enterprise wide strategic systems planning, business information planning, business and analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering tools. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Provides technical guidance in software engineering techniques and automated support tools.

**Education/Experience:** A Master of Science degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. Twelve years experience in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. A minimum of five years experience is required in the following: demonstrated experience in managing the implementation of information engineering projects and experience in systems analysis, design and programming using CASE and IE tools and methods. Proven managerial and supervisory skills. Demonstrated exceptional written and oral communications skills, including giving formal presentations to different audiences. Must demonstrate the ability to work independently or under only general direction.

## 7. DATABASE MANAGER

Onsite: \$119.16/Hr.

Offsite: \$128.05/Hr.

**Functional Responsibility:** Manages the development of database projects. Plans and budgets staff and database resources. When necessary, reallocates resources to maximize benefits. Prepares and delivers presentations on Data Base Management Systems (DBMS) concepts. Provides daily supervision and direction to support staff.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With ten years of experience of which eight must be specialized, a degree is not required. Seven years experience, of which at least five years must be specialized. Specialized experience includes: demonstrated experience with database management systems design and system analysis, current operating systems software internals and data manipulation languages. General experience includes increasing responsibilities in the development and maintenance of database systems.

## 8. SYSTEMS ENGINEER

Onsite: \$98.16/Hr.

Offsite: \$118.28/Hr.

**Functional Responsibility:** Supports the preparation of documentation required as part of the overall systems engineering aspect of the task or demonstration. Recommends changes to system design and system specifications. Is knowledgeable of satellite communications, transmission systems, fiber optic communications, switched networks, network management, and/or control systems. Has a working knowledge of military application of communications, control systems, space and/or ground operations. Analyzes problems within a project and makes recommendations based on input from the Customer.

**Education/Experience:** Bachelor of Science degree in electrical, electronics, telecommunications, systems engineering, or information systems/software engineering field. A Master of Science degree in one of the disciplines will be considered equivalent to two years general experience and one year specialized experience. A Ph.D. degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eight years general experience of which at least six years is specialized, an Associate degree in the field is required. Five years experience, three years specialized in systems engineering and/or information systems/software engineering field.

## 9. SENIOR NETWORK ENGINEER

Onsite: \$98.16/Hr.

Offsite: \$118.28/Hr.

**Functional Responsibility:** Demonstrates technical proficiency in the specific disciplines required to accomplish a networking requirement, such as IEEE 802 standards, network security requirements, Government standards protocols, LANs, WANs, reliability and maintainability, safety, test and evaluation, quality assurance, network topology, secure data communications, design or integration engineering.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eleven years general experience and nine years specialized experience, no degree is required. Eight years experience of which six must be specialized experience in designing and implementing complex network solutions. Specialized experience includes: network system projects involving integration of LANs and WANs, and/or user network applications on distributed systems conforming with or supporting IEEE 802 standards.

## 10. SENIOR SYSTEMS ANALYST

Onsite: \$91.82/Hr.

Offsite: \$110.64/Hr.

**Functional Responsibility:** Prepares documentation to substantiate a project. Provides input to the Project Manager/Leader and the Program Manager on which analysis of systems and technologies is made. Receives input from subordinates and other activities within the program and from Government sponsors. Is extremely knowledgeable of communication and/or information technology architectures, network management, control and planning systems, and military applications of space and/or computer systems. Has a strong working knowledge of strategic and/or tactical operations.

Senior System Analyst may also examine policy and procedural documentation produced by the requiring activity and compare with documentation of Government policies and doctrine. Validates documentation for compliance with treaties, laws and higher level direction. Provides recommendations to the Program Manager for solutions to policy problems and conflicts. Has a strong expertise in Government policy and doctrine.

**Education/Experience:** Bachelor's degree in Computer Science, Information Systems, Telecommunications, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eleven years of experience of which eight must be specialized, a degree is not required. Eight years experience, of which five years must be specialized experience as a systems analyst working on major systems on large-scale and mid-scale system platforms. Must have at least two years experience involving the development or maintenance of large-scale and mid-scale systems using information technology, communications, and/or networking.

#### 11. (a) SENIOR PROGRAMMER (SYSTEMS)

Onsite: \$91.82/Hr.

Offsite: \$110.64/Hr.

**Functional Responsibility:** Responsible for systems programming functions dealing with the overall operating system or complex subsystems of the operating system. Develops specifications for extremely complex system programming activities. Creates and/or maintains operating systems, communications software, data base packages, compilers, assemblers, and utility programs. Modifies existing software, as well as, create special-purpose software to ensure efficiency and integrity between systems and applications. Works at the highest technical level on all phases of system programming controlling the operating system with considerable freedom to make decisions on the techniques to be used. Prepares recommendations for system improvement for management and user consideration. Acts as a consultant to the technical staff and user community. Demonstrates the ability to work independently or under only general direction.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With ten years of experience of which eight must be specialized, a degree is not required. Seven years of general experience in systems engineering including five years of specialized experience in IT systems analysis and programming

#### 11. (b) SENIOR PROGRAMMER (APPLICATIONS)

Onsite: \$91.82/Hr.

Offsite: \$110.64/Hr.

**Functional Responsibility:** Analyzes functional business applications and design specifications for functional areas such as payroll, logistics, personnel, and contracts. Performs tasking involving system concept formulation, design, development, testing, and maintenance of applications type software programs. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers as required to ensure program deadlines are met.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eleven years of experience of which eight must be specialized, a degree is not required. Eight years experience, of which at least five years must be specialized. Specialized experience includes: experience as an applications programmer on large-scale data base management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. General experience includes increasing responsibilities in assignments of a technical nature. Must demonstrate the ability to work independently or under only general direction on complex application problems.

## 12. SENIOR TECHNICAL ANALYST

Onsite: \$91.82/Hr.

Offsite: \$110.64/Hr.

**Functional Responsibility:** Assists in collecting and organizing information required for preparation of user's manuals, training materials, installation guides, proposals, reports, and analyzing data and information required for publication of high-level technical publications. Edits functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents. Demonstrates ability to work independently or under only general direction.

**Education/ Experience:** A Bachelor's degree in English, Literature, Journalism, or other related disciplines with ten years experience, of which at least six years must be specialized. With a Master's Degree, six years general experience of which at least four years specialized is required. Fifteen years general experience, of which at least ten years is specialized, is equivalent to a degree. Specialized experience includes: demonstrated experience in analyzing technical environments and requirements, and then developing high-quality technical papers, documents, manuals, etc. Experience must include original writing of scientific, technical, engineering or other professional material requiring an understanding of the basic concepts, practices and specialized vocabulary of the appropriate scientific and technical field, and to acquire additional information about the field and related fields to describe the principles, operations, and basic concepts in clear simple language.

## 13. (a) SENIOR ENGINEER (TELECOMMUNICATIONS, SYSTEMS)

Onsite: \$86.02/Hr.

Offsite: \$103.63/Hr.

**Functional Responsibility:** Provides leadership in systems design and/or engineering. Is responsible for preparation of documentation required as part of the overall systems engineering aspect of the task or demonstration. Recommends changes to system design and specifications. Is extremely knowledgeable of satellite communications, transmission systems, fiber optic communications, switched networks, network management, and/or control systems. Has a working knowledge of military or commercial application of communications, control systems, space and/or ground operations. Coordinates all changes of the system design with the Government sponsor of the item or system being designed.

**Education/Experience:** Bachelor of Science degree in electrical, electronics, telecommunications, systems engineering, or information systems/software engineering field. A Master of Science degree in one of the disciplines will be considered equivalent to two years general experience and one year specialized experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With thirteen years general experience of which at least ten years is specialized, an Associate degree in the field is required. Ten years experience, seven years specialized in telecommunications, information technology/software, network, and/or systems engineering field.

### 13. (b) SENIOR ENGINEER (SOFTWARE)

Onsite: \$86.02/Hr.

Offsite: \$103.63/Hr.

**Functional Responsibility:** Analyzes and studies complex system requirements. Designs software tools and subsystems to support software reuse and implementation. Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools. Estimates development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving techniques. Supervises software configuration management. Works directly on problems that are complex to analyze, plan, program, and operate. Confers with functional area experts and/or authorities to determine software application requirements. Analyzes problems within the program and makes recommendations based on input from the Customer.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eleven years of experience of which eight must be specialized, a degree is not required. Eight years experience managing or performing software engineering activities, of which at least five years must be specialized. Specialized experience includes: demonstrated experience working with third/fourth generation languages in the design and implementation of systems and using database management systems. General experience includes increasing responsibilities in software engineering activities. Must be familiar with applicable standards.

### 14. SENIOR INFORMATION ENGINEER

Onsite: \$86.19/Hr.

Offsite: \$103.84/Hr.

**Functional Responsibility:** Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques. Assist in establishing standards for information systems procedures. Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems. Constructs sound, logical business improvement opportunities consistent with enterprise Information Technology goals using principles, cost savings, and open system architecture objectives. Provides daily supervision and direction to staff.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eleven years of experience of which eight must be specialized, a degree is not required. Eight years experience, of which at least five years must be specialized in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. The following experience is also required: demonstrated experience in the implementation of information engineering projects; systems analysis, design and programming using CASE and IE tools and methods and three to five years of business or functional experience. Must demonstrate the ability to work independently or under only general direction.

## 15. SENIOR DATABASE ADMINISTRATOR

Onsite: \$86.19/Hr.

Offsite: \$103.84/Hr.

**Functional Responsibility:** Applies knowledge of computer science concepts and techniques in the design, development, installation and maintenance of databases to satisfy engineering, scientific, or business data acquisition and management. Collects data elements and prepares database specifications. Develops and maintains data dictionary, data base links, and user access controls. Consults with programmers and users to develop test data to exercise the database and user-application software. Provides database tuning and monitoring to ensure effective and efficient data access, including comparison of performance ratios, memory configuration, disk I/O, and application software, design and maintenance.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eleven years of experience of which eight must be specialized, a degree is not required. Eight years experience, of which five must be specialized in database administration. Specialized experience includes: demonstrated experience with administering large databases, formulating and implementing procedures for database management, database performance optimization, and security maintenance.

## 16. SENIOR COMMUNICATIONS SPECIALIST

Onsite: \$87.23/Hr.

Offsite: \$105.09/Hr.

**Functional Responsibility:** Analyzes network characteristics (e.g., traffic, connect time, transmission speeds, packet sizes, and throughput) and recommends procurement, removals, and modifications to network components. Designs and optimizes network topologies and site configurations. Reviews task performance and work products for correctness, for adherence to design concepts and user requirements, and for progress in accordance with contract schedules. Coordinates with the contractor's Project Manager, the Government technical representative(s), and user agency project managers to ensure solution and user satisfaction for technical matters. Plans installations, transitions, and cutovers of network components and capabilities. Coordinates requirements with users and suppliers. Prepares and delivers presentations to peers, subordinates, and user representatives. Must demonstrate the ability to work independently or under only general direction.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Communications and Networking, Telecommunications, Engineering, or other related technical discipline. With a Master's Degree: four years general experience of which at least three years must be specialized experience is required. With nine years general experience of which at least seven is specialized, a degree is not required.

Five years experience, of which at least four years must be specialized experience in one of the following:

Communications Hardware specialized experience includes: installing, testing, and operating network and computer (host) communications equipment (e.g., switches, modems, controllers, terminals, and multiplexers); using and implementing communications hardware and electrical standards, using communications hardware test and monitoring equipment and analyzing the results.

Communications Software specialized experience includes: developing, testing, installing, and operating network and computer (host) communications software (e.g., access method and protocol software, application interfaces, transaction processors, and emulators); using and implementing communications standards.

Network Specialty specialized experience includes: designing, testing, installing, implementing, and maintaining computer networks; using and implementing network standards, particularly those of the International Organization for Standardization (ISO); operating computer networks; identification and solution of problems, restart/recovery, additions, deletions, and modifications of terminals, hosts, etc., optimization of network costs and performance and implementing accounting and charge back systems. Experience must have occurred within the last seven years.

## **17. SENIOR COMPUTER SPECIALIST**

Onsite: \$80.80/Hr.

Offsite: \$97.35/Hr.

**Functional Responsibility:** Responsibilities include the review of task performance & work products for correctness, for adherence to design concepts & user requirements, & for progress in accordance with contract schedules. Coordinates with the Project Manager & user agency to ensure sound solutions & user satisfaction in technical matters.

**Education/Experience:** Bachelor's Degree in Information Systems, Computer Science, Engineering, Business or other related discipline. 5 years of relevant project experience using appropriate tools, techniques, & methodologies such as requirements, design, acquisition, installation, integration & performance evaluation

## **18. (a) ENGINEER (TELECOMMUNICATIONS)**

Onsite: \$69.93/Hr.

Offsite: \$84.26/Hr.

**Functional Responsibility:** Supports the preparation of documentation required as part of the overall systems engineering aspect of the task or demonstration. Recommends changes to system design and specifications. Is knowledgeable of satellite communications, transmission systems, fiber optics communications, switched networks, network management, and/or control systems. Has a working knowledge of military application of communications, control systems, space and/or ground operations. Analyzes problems within a project and makes recommendations based on input from the Customer and other corporate personnel.

**Education/Experience:** Bachelor of Science degree in electrical, electronics, telecommunications, systems engineering, or information systems/software engineering field. A Master of Science degree in one of the disciplines will be considered equivalent to two years general experience and one year specialized experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eight years general experience of which at least six years is specialized, an Associate degree in the field is required. Five years experience, three years specialized in telecommunications and/or information technology/ software engineering field.

## **18. (b) ENGINEER (SATELLITE COMMUNICATIONS)**

Onsite: \$69.93/Hr.

Offsite: \$84.26/Hr.

**Functional Responsibility:** Interprets and applies principles, theories, methods and techniques of ground systems or satellite communication engineering and microwave technology. Work on some phases of telecommunications and multiple telecommunications protocols. Assists in compiling reports and configuration to assist in comparison studies with material invoices. Assists in the preparation of detailed specifications and flowcharts for implementation of new programs or modifications of telecommunications systems and service of vendors.

**Education/Experience:** This position requires a BS degree and two years of experience or a Masters and no years of experience in satellite or microwave communications. Three years experience or comparable military training in a satellite-engineering environment will substitute for the BS. This position requires a BS degree in and two years of experience or a Masters and no years of experience in satellite or microwave communications. Three years experience or comparable military training in an applicable engineering or telecommunications environment will substitute for the BS.

### **18. (c) ENGINEER (SOFTWARE)**

Onsite: \$69.93/Hr.

Offsite: \$84.26/Hr.

**Functional Responsibility:** Designs software tools and subsystems to support software reuse and domain analysis. Interprets software requirements and design specifications to code, and integrates and tests software components.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eight years of experience of which five must be specialized, a degree is not required. Four years experience as a software engineer; two years experience working with Ada, SQL, and third/fourth generation languages in the design and implementation of systems and one year working with data base management systems.

### **18. (d) ENGINEER (INFORMATION)**

Onsite: \$69.93/Hr.

Offsite: \$84.26/Hr.

**Functional Responsibility:** Applies a business-wide set of disciplines for the planning, analysis, design and construction of information systems. Performs business strategic systems planning, information planning, business and analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools; such as Integrated Computer-Aided Software Engineering (I-CASE) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategic and planning documents. Provides technical guidance in software engineering techniques and automated support tools.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eight years of experience of which five must be specialized, a degree is not required. Five years experience, of which at least two years must be specialized in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. The following experience is also required: two years experience in the implementation of information engineering projects and experience in systems analysis; design and programming using CASE and IE tools and methods. Two years business/functional experience is desirable, to support the business modeling activities. Must demonstrate the ability to work independently or under only general direction.

### **18. (e) ENGINEER (NETWORKS)**

Onsite: \$69.93/Hr.

Offsite: \$84.26/Hr.

**Functional Responsibility:** Demonstrates technical proficiency in the specific disciplines required to accomplish a networking requirement, such as IEEE 802 standards, network security requirements, Government standards protocols, LANs, WANs, reliability and maintainability, safety, test and evaluation, quality assurance, network topology, secure data communications, design or integration engineering.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eight years general experience and five years specialized experience, no degree is required. Four years experience of which three must be specialized experience in designing and implementing complex network solutions. Specialized experience includes: network system projects involving integration of LANs and WANs, and/or user network applications on distributed systems conforming with or supporting IEEE 802 standards.

## **19. SENIOR FIELD ENGINEER**

Onsite: \$73.30/Hr.

Offsite: \$88.32/Hr.

**Functional Responsibility:** This position is responsible for supporting computer and/or satellite systems at ancillary support sites and coordinating operation with client or customer sites. The Sr. Field Engineer is expected to supervise field installation and repair teams or work individually with little or no supervision. The Sr. Field Engineer possesses the knowledge and expertise to maintain, repair and setup equipment and peripherals using the guidance of the system engineer or the telecommunications engineer. Sr. Field Engineer must be prepared to travel for extended periods of time, if applicable.

**Education/Experience:** Equipment specific training or BS in physics, electronics, or equivalent preferred, or twelve years equivalent experience directly related to subject systems and peripherals. Minimum twelve years experience in the practice of providing field operations support at various locations

## **20. SENIOR FIELD TECHNICIAN/ELECTRONICS TECHNICIAN**

Onsite: \$73.30/Hr.

Offsite: \$88.32/Hr.

**Functional Responsibility:** This position is responsible for supporting computer and satellite systems at ancillary support sites and coordinating operation with client or customer sites.

The field technician possesses the knowledge and expertise to maintain, repair and setup equipment and peripherals under the direction and support of the system engineer or the SATCOM engineer. Field Technician must be prepared to travel for extended periods of time, if applicable.

**Education/Experience:** BS preferred or equivalent education and experience directly related to subject systems and peripherals. Four years experience in the practice of providing field operations support at various locations.

## **21. JUNIOR COMMUNICATIONS SPECIALIST**

Onsite: \$66.77/Hr.

Offsite: \$80.43/Hr.

**Functional Responsibility:** Performs needs analysis, functional, logical, & technical analysis, feasibility studies, cost/benefit studies, life cycle analysis, briefings & presentations, report writing & post-implementation evaluations for informational managers.

**Education/Experience:** BS & 3 years experience. 5 Years experience in the past 10 years will substitute for the BS degree. 3-year relevant experience which has occurred in the past 5 years with a BS or 5 years of relevant experience which occurred in the past 10 years.

## **22. (a) PROGRAMMER (SYSTEMS)**

Onsite: \$61.91/Hr.

Offsite: \$74.57/Hr.

**Functional Responsibility:** Responsible for systems programming functions dealing with the overall operating system or complex subsystems of the operating system. Develops specifications for system programming activities. Develops and/or maintains operating systems, communications software, data base packages, compilers, assemblers, and utility programs. Modifies existing software, as well as, create special-purpose software to ensure efficiency and integrity between systems and applications. Assists in the design, coding, testing, and implementation of systems related routine modifications. Installs and maintains software products on the computer system. Analyzes and fixes problems associated with the software packages and forwards them to the appropriate vendor for problem resolution. Monitors system and corrects any errors or inconsistencies. Prepares recommendations for system improvement for management and user consideration. Acts as a consultant to the technical staff and user community. Demonstrates the ability to work independently or under only general direction.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With seven years of experience of which five must be specialized, a degree is not required. Four years of general experience in systems engineering including three years of specialized experience in IT systems analysis and programming

## **22. (b) PROGRAMMER (APPLICATIONS)**

Onsite: \$61.91/Hr.

Offsite: \$74.57/Hr.

**Functional Responsibility:** Analyzes functional business applications and designs specifications for functional areas such as payroll, logistics, personnel, and contracts. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers as required to ensure program deadlines are met.

**Education/Experience:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. A PhD degree in one of the disciplines will be considered equivalent to two years specialized experience and three years general experience. With eight years experience of which five must be specialized, a degree is not required. Four years experience, of which at least three years must be specialized. Specialized experience includes: experience as an applications programmer on large-scale data base management systems, knowledge of computer equipment and ability to develop complex software to satisfy design objectives. General experience includes increasing responsibilities in assignments of a technical nature. Must demonstrate the ability to work independently or under only general direction.

## **23. SYSTEMS ANALYST**

Onsite: \$61.91/Hr.

Offsite: \$74.57/Hr.

**Functional Responsibility:** Prepares documentation to substantiate a project. Provides input to the Project Leader and the Program Manager on which an analysis of systems and technologies is made. Receives input from subordinates and other activities within the program and from Government sponsors. Is knowledgeable of space systems and military applications of space systems and has a working knowledge of ground operations.

**Education/Experience:** Bachelor's degree in Computer Science, Information Systems, Telecommunications, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With eight years of experience of which five must be specialized, a degree is not required. Five years experience, of which three years must be specialized as a systems analyst. Two years experience involving the development or maintenance of large-scale and mid-scale systems using information technology, communications, and/or networking.

## **24. JUNIOR COMPUTER SPECIALIST**

Onsite: \$59.42/Hr.

Offsite: \$71.58/Hr.

**Functional Responsibility:** Performs needs analysis, functional, logical, & technical analysis, feasibility studies, cost/benefit studies, life-cycle analysis, briefings & presentations, report writing, & post-implementation evaluations.

**Education/Experience:** Bachelor's Degree in Information Systems, Computer Science, Engineering, Business or other related discipline. One (1) year of relevant project experience which has occurred within the past 3 years using appropriate tools, techniques, & methodologies to perform the subject task or tasks for example requirements, design, acquisition, installation, integration, performance evaluation, testing or applicable systems. Three (3) years of relevant experience in the last 5 years will substitute for a BS.

## **25. (a) JUNIOR SYSTEMS ANALYST**

Onsite: \$59.42/Hr.

Offsite: \$71.58/Hr.

**Functional Responsibility:** Translates mission requirements into solutions employing current state-of-the-art information technology, communications, and/or networking equipment and software. Uses computer, communications, and/or networking technology, computer programming languages and procedures in devising system specifications for resolving business, management, communication, tactical and strategic system problems, developing and executing system simulation performance, developing and implementing applications using mathematical and statistical formulas, and developing executive and utility software packages.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Telecommunications, Engineering, Business, or other related scientific or technical discipline. With six years of experience of which four must be specialized, a degree is not required. Two years of experience, of which one must be specialized in the development or maintenance of large-scale and mid-scale systems using information technology, communications, and/or networking.

## **25. (b) JUNIOR COMPUTER SYSTEMS ANALYST**

Onsite: \$59.42/Hr.

Offsite: \$71.58/Hr.

**Functional Responsibility:** Develops requirements for information systems from a project's inception to conclusion. Develops required specifications for simple to moderately complex systems. Assists Senior Computer System Analysts in preparing input and test data for the proposed system.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. A Master of Science degree in one of the disciplines will be considered equivalent to one year specialized experience and two years general experience. With seven years experience of which four is specialized, a degree is not required. Two years experience, of which at least one year must be specialized. Specialized experience includes: analyzing and programming applications on large-scale computers with a minimum of one year of design and programming of moderately complex IT systems. General experience includes increasing responsibilities in assignments of a technical nature. Typically required to work under close supervision and direction.

## **26. JUNIOR ENGINEER (TELECOMMUNICATIONS, SYSTEMS)**

Onsite: \$59.42/Hr.

Offsite: \$71.58/Hr.

**Functional Responsibility:** Performs professional engineering assignments in support of telecommunications and systems engineering efforts in one or more of the following disciplines: satellite communications, transmission systems, fiber optic communications, switched networks, network management, or control systems.

**Education/Experience:** Bachelor of Science degree in electrical, electronics, telecommunications, systems engineering, or information systems/software engineering field. A Master of Science degree in one of the disciplines will be considered equivalent to two years general experience and one year specialized experience. With five years general experience of which at least four years is specialized, an Associate degree in the field is required. Two years experience, one year specialized in telecommunications engineering, systems engineering, and/or information systems/software engineering field.

## **27. JUNIOR DATA ANALYST**

Onsite: \$61.19/Hr.

Offsite: \$72.84/Hr.

**Functional Responsibility:** Under general supervision, uses original & creativity in writing documents & ensuring that the preparation of technical documents are consistent with prescribed standards for the format & presentation. Reviews documentation to ensure validity, completeness of content and consistency with order, style and terminology standards. Develops outlines, graphics, and written text. Proofreads documentation & graphics for accuracy & provides quality control checking for documents received from word processing. Edits & rewrites on-line & hard copy.

**Education/Experience:** A minimum of 3 to 5 years of related experience or an equivalent combination of education & training that provides the required knowledge, skills, & abilities. Must be able to write technical reports, proposals, brochures, manuals & provide technical editing & rewriting. Ability to coordinate production & materials is required & engage in interdepartmental contact & act as a liaison between company departments & technical staff.

## **28. JUNIOR ENGINEER (NETWORKS)**

Onsite: \$58.12/Hr.

Offsite: \$70.00/Hr.

**Functional Responsibility:** Demonstrates technical proficiency in the specific disciplines required to accomplish a networking requirement, such as IEEE 802 standards, network security requirements, Government standards protocols, LANs, WANs, test and evaluation, design or integration engineering.

**Education/Experience:** A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. With four years general experience and three years specialized experience, no degree is required. One year specialized experience in designing and implementing complex network solutions. Specialized experience includes: network system projects involving integration of LANs and WANs, and/or user network applications on distributed systems conforming with or supporting IEEE 802 standards.

## **29. JUNIOR FIELD TECHNICIAN**

Onsite: \$58.12/Hr.

Offsite: \$70.00/Hr.

**Functional Responsibility:** This position is responsible for supporting computer and satellite systems at ancillary support sites and coordinating operation with client or customer sites. The field technician possesses the knowledge and expertise to maintain, repair and setup equipment and peripherals under the direction and support of the system engineer or the SATCOM Engineer. Field Technician must be prepared to travel for extended periods of time, if applicable.

**Education/Experience:** BS preferred or equivalent education and experience directly related to subject systems and peripherals. Two years experience in the practice of providing field operations support at various locations.

### **30. SENIOR NETWORK INSTALLATION TECHNICIAN**

Onsite: \$58.12/Hr.

Offsite: \$70.00/Hr.

**Functional Responsibility:** Organizes and directs network installations on site surveys. Assesses and documents current site network configuration and user requirements. Designs and optimizes network topologies. Directs and leads preparation of engineering plans and site installation Technical Design Packages. Develops installation schedules. Mobilizes network installation team. Directs and leads preparation of drawings documenting configuration changes at each site. Prepares site installation and test reports. Coordinates post installation operations and maintenance support.

**Education/Experience:** Minimum education requirement is a high school diploma with ten years experience of which at least five years must be specialized. With an Associate's Degree: nine years general experience of which at least five years must be specialized experience is required. With a Bachelor's Degree: eight years general experience of which at least four years must be specialized experience is required. Specialized experience includes: supervision of installation technicians; analysis, design, and installation of local and wide area nets; and analysis and installation of communication systems. Familiar with engineering documentation, network configurations and topologies, X.25, TCP/IP, ATM, Frame Relay, Bridges, and Routers. General experience includes increasing responsibilities in technical management.

### **31. JUNIOR PROGRAMMER (APPLICATIONS)**

Onsite: \$41.97/Hr.

Offsite: \$50.57/Hr.

**Functional Responsibility:** Assists with the analysis of information requirements. Participates in the design of software tools and subsystems to support reuse and domain analysis. Assists Applications Programmers and System Engineers to interpret software requirements and design specifications to code, and integrate and test software components. Aids in the evaluation of problems workflow, organization, and planning, and helps develop the appropriate actions.

**Education/Experience:** Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. This position is for a recent college graduate who had extensive course work in applications programming. Requires no general experience.

### **32. SENIOR ADMINISTRATIVE ASSISTANCE**

Onsite: \$45.81/Hr.

Offsite: \$55.20/Hr.

**Functional Responsibility:** Performs a key role in the preparation and delivery of management plans, reports, project schedules, project deliverables, presentation formats, and other products required for any given project. Works closely with project management to ensure that required products are prepared and submitted in accordance with project requirements and schedules.

**Education/Experience:** Minimum three years experience in a broad range of project support administrative and technical support tasks, including the production and delivery of project documentation, assistance in the physical preparation of reports and deliverables, and the creation and packaging of briefings and presentations. Possesses skills in a variety of office automation and desktop software applications, such as word processing, spreadsheet, database, and project management software. Possesses some experience in working with financial tracking and reporting processes, including project cost reporting, labor hour accounting, and other resource management details. A minimum of a high school diploma plus formal technical training; some college beneficial. Professional experience may be used in lieu of formal training or college

### **33. PROJECT MANAGER**

Onsite: \$102.14/Hr.

Offsite: \$123.07/Hr.

**Functional Responsibility:** Serves as the contractor's project manager and shall be the contractor's authorized interface with the government technical personnel, the COR, and customer representatives. Responsible for formulating and enforcing work standards, assigning contractor schedules, reviewing work discrepancies, supervising contractor personnel and communicating policies, purposes and goals of the organization to subordinates. Project Manager is responsible for managing small to mid-size projects that may involve multiple task orders and significant numbers of resources (personnel and contract dollars). Shall be responsible for the overall contract performance but may serve in other capacities.

**Education/Experience:** A Bachelor's degree in a Information Systems, Engineering, Business, or other related scientific or technical discipline. Requires a minimum of eight years experience. A bachelor's degree may be substituted for five years experience. A Masters degree will be considered equivalent to three years experience.

### **34. CLIENT/SERVER NETWORK ARCHITECT**

GSA Price: \$124.24/Hr.

**Functional Responsibility:** Top-level technical expert responsible for design and development of a client/server environment. Develops strategy of client/server system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure of the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

**Education/Experience:** B.S. Degree with 8-10 years of experience or 10 to 12 years relevant work experience

### **35. CLIENT/SERVER SUPPORT ANALYST**

GSA Price: \$76.87/Hr.

**Functional Responsibility:** Under general supervision, assists with personal computer operating systems software and communication system software. Designs, tests, and maintains personal computer systems. Responsible for analyzing and solving personal computer-related problems. Responsible for security, integrity, and reliability of modifications to existing equipment and systems. Performs research/investigations, analysis, design, testing, and installation of supported hardware and software. Schedules installation of new hardware and software and modifications to existing systems. Monitors performance of hardware and its capacity in all assigned locations. Recommends and implements enhancements to existing hardware and systems.

**Education/Experience:** B.S. Degree with 3-5 years experience or H.S. Diploma and 5-7 years experience

### **36. BUSINESS PROCESS CONSULTANT**

GSA Price: \$140.61/Hr.

**Functional Responsibility:** Responsible for most complex systems process analysis, design, and simulation. Requires a highest-level understanding of organization's business systems and industry requirements. Focus is on process analysis and re-engineering, with an understanding of technical problems and solutions as they relate to the current and future business environment. Creates process change by integrating new processes with existing ones and communicating these changes to impacted Business Systems teams. Recommends and facilitates quality improvement efforts.

**Education/Experience:** B.S. Degree and 10-12 years experience or Master's Degree and 8-10 years experience or 12 years relevant work experience.

### **37. BUSINESS SYSTEMS ANALYST – SENIOR**

GSA Price: \$87.57/Hr.

**Functional Responsibility:** Under general direction, formulates and defines systems scope and objectives based on both user needs and a good understanding of applicable business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirement specifications. Guides and advises less-experienced Business Systems Analysts. Competent to work at the highest technical level of most phases of systems analysis while considering the business implications of the application of technology to the current and future business environment.

**Education/Experience:** B.S. Degree and 5-7 years experience or 7 to 10 years relevant work experience

### **38. BUSINESS SYSTEMS SPECIALIST**

GSA Price: \$99.92/Hr.

**Functional Responsibility:** Top-level technical contributor with expertise in particular business processes responsible for formulating systems scope and objectives relative to the organization's business plan and industry requirements. Acts independently or as a member of a project team responsible for providing technical guidance concerning the business implications of the application of various systems. Provides technical consulting on complex projects. Devises and/or modifies procedures to solve the most complex technical problems related to computer equipment capacity and limitations, operating time, and form of desired results. Creates detailed specifications from which programs will be written. May have quality assurance responsibilities.

**Education/Experience:** B.S. Degree and 7-9 years experience or 9 to 11 years relevant work experience.

### **39. DISASTER RECOVERY ADMINISTRATOR**

GSA Price: \$104.80/Hr.

**Functional Responsibility:** Under general supervision, responsible for the overall security and integrity of organizations electronic data, data systems, and data networks. Designs and administers programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery. Oversees and reviews the testing and implementation of software, data systems, and data networks to ensure that the integrity of security of all electronic data and data systems are adequately protected. Oversees and facilitates the preparation of an organization-wide resumption plan. Responsible for ensuring the business resumption plan adequately addresses the organization's requirements and established time frames. Responsible for day-to-day security administration of the organization's data systems and data networks including systems access administration. Typically requires five or more years of experience in disaster recovery/business resumption planning.

**Education/Experience:** B.S. Degree and 8-10 years experience or 10 – 12 years relevant work experience.

### **40. COMMUNICATIONS ANALYST – INTERMEDIATE**

GSA Price: \$87.37/Hr.

**Functional Responsibility:** Under general supervision, assists Senior Level Communications Analyst or Department Manager in the planning, design, and implementation of communications networks. Responsible for providing assistance and technical support for network design activities. Assists in the review/assessment of user needs. May conduct feasibility studies for projects. May assist in the evaluation and selection of equipment. Typically requires two to four years experience in telecommunications with particular emphasis in traffic engineering and network design. Frequently reports to Data/Voice Communications Management or Internal Communications System Consultant.

**Education/Experience:** B.S. Degree and 3-5 years experience or H.S. Diploma and 5-7 years experience

#### **41. COMMUNICATIONS ANALYST-SENIOR**

GSA Price: \$108.25/Hr.

**Functional Responsibility:** Under general direction, assists in the planning, design, and implementation of communications networks. Responsible primarily for the assessment and optimization of network design through review and assessment of user needs. Conducts feasibility studies for large projects, develops requests for proposal, evaluates vendor products, and makes recommendations on selection. May function as lead position providing guidance and training to less-experienced analysts. Typically requires at least five years of experience in telecommunications with strong emphasis in network design, traffic engineering, equipment vendors, and carriers. Frequently reports to a Data/Voice Communications Manager or Internal Communications Systems Consultant.

**Education/Experience:** B.S. Degree and 7-9 years experience or H.S. Diploma and 10-12 years experience.

#### **42. TELECOMMUNICATIONS ENGINEER/ANALYST – INTERMEDIATE**

GSA Price: \$77.50/Hr.

**Functional Responsibility:** Under general supervision, responsible for moderately complex engineering and/or analytical tasks and activities associated with one or more technical areas within the telecom function such as, but not limited to, network design, engineering, implementation, or operations/user support.

**Education/Experience:** B.S. Degree and 3-5 years experience or H.S. Diploma and 5-7 years experience.

#### **43. TELECOMMUNICATIONS ENGINEER/ANALYST – SENIOR**

GSA Price: \$94.80/Hr.

**Functional Responsibility:** Under general direction, responsible for complex engineering and/or analytical tasks and activities associated with one or more technical areas within the telecom function such as, but not limited to, network design, engineering, implementation, or operations/user support.

**Education/Experience:** B.S. Degree and 5-7 years experience or H.S. Diploma and 7-9 years experience.

#### **44. TELECOMMUNICATIONS MANAGER – MULTIPLE INCUMBENTS**

GSA Price: \$111.46/Hr.

**Functional Responsibility:** A multiple incumbent position with broad management responsibility for all areas of the telecommunications function. Position may be structured to address the needs of individual “customer” groups (e.g., organization divisions or business engineering, implementation, and operations) for either voice or data communications in a separated network environment. Manages/coordinates day-to-day planning, design, operations, maintenance, and resource allocation including client server support and strategic and tactical planning. Coordinates with customers, vendors, and corporate management. May be responsible for billing systems. Interfaces with Senior/Executive Management to coordinate telecommunications plans with overall business plan. Frequently reports to Telecommunications Management or information systems management.

**Education/Experience:** B.S. Degree and 10-12 years experience; 3 years supervisory experience or 12 – 14 years of relevant work experience with 5 years supervisory experience.

#### 45. VOICE COMMUNICATION MANAGER – PLANNING & IMPLEMENTATION

GSA Price: \$111.71/Hr.

**Functional Responsibility:** Ensures that adequate and appropriate planning is provided for remote hardware and communications facilities to develop and implement methodologies for analysis, installation, and support of voice communications systems. Provides coordination in the analysis, acquisition, and installation of remote hardware and software. Interfaces with internal and external customers and vendors to determine system needs. Manages the training and efforts of a staff responsible for system and network planning and analysis activities. May include billing/chargeback responsibilities. Typically requires at least eight to ten years of experience in software/hardware voice network design and analysis usually in a telephone operating organization. Frequently reports to a Telecommunications Department Director/Manager or Planning and Engineering Manager.

**Education/Experience:** B.S. Degree and 10-12 years experience; 3 years supervisory experience or 12 – 14 years relevant work experience with 5 years supervisor experience.

SIN	Mfr Name	Mfr Part Number	Product Description	GSA Price	Warranty Length	Country of Origin
132-8	Arrowhead	E-2000	Nytor E2000 Enhanced Series Thin Client Offers Maximum Security for the Defense and Intelligence Communities	\$ 3,083.12	2 Years Parts & Labor	US
132-8	Arrowhead	P-2000	Nytor P2000 Enhanced Series Thin Client Offers Users all the Features of a Standard PC with Greater Knowledge Control & Lower Cost of Ownership	\$ 1,088.16	2 Years Parts & Labor	US
132-8	Arrowhead	R-2000	Nytor R2000 Enhanced Series Thin Client Offers Hospitals, Banks & Other Security-Focused Organizations Security & Scalability	\$ 1,178.84	2 Years Parts & Labor	US
132-8	Arrowhead	Trusted Multi-net	50 E-1000 station network with four terminal servers, routers CA servers, Active Card Middleware; power back-up; Altirims Client Management; VPN Gateways, and Citrix Licenses	\$274,180.35	2 Years Parts & Labor	US
132-8	Arrowhead	Trusted Net Pilot Network	50 R-1000 station network with four terminal servers, routers CA servers, Active Card Middleware; power back-up; Altirims Client Management; VPN Gateways, and Citrix Licenses	\$160,240.81	2 Years Parts & Labor	US
132-12	Arrowhead	Extended Warranty	Annual Extended Warranty	15% of GSA Price	N/A	US

**ARROWHEAD GLOBAL SOLUTIONS, INC.**  
GSA Pricelist

SIN	Service Type/Bandwidth in MHz	Geographic Area	Frequency Band	QTY	Unit Charge (i.e. per time period bandwidth)	GSA Price
<b>Fixed Satellite Services</b>						
<b>CONUS C-Band</b>						
132-52	From 1 MHz up to 9 MHz	CONUS	C-band	1	1 month	\$ 5,773.76
132-52	From 1 MHz up to 9 MHz	CONUS	C-band	1	1 year	\$ 4,425.62
132-52	From 9 MHz up to 18 MHz	CONUS	C-band	1	1 month	\$ 5,086.81
132-52	From 9 MHz up to 18 MHz	CONUS	C-band	1	1 year	\$ 4,023.29
132-52	From 18 MHz up to 36 MHz	CONUS	C-band	1	1 month	\$ 5,010.13
132-52	From 18 MHz up to 36 MHz	CONUS	C-band	1	1 year	\$ 3,589.18
<b>CONUS Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	CONUS	Ku-band	1	1 month	\$ 8,336.82
132-52	From 1 MHz up to 9 MHz	CONUS	Ku-band	1	1 year	\$ 6,908.07
132-52	From 9 MHz up to 18 MHz	CONUS	Ku-band	1	1 month	\$ 7,731.87
132-52	From 9 MHz up to 18 MHz	CONUS	Ku-band	1	1 year	\$ 6,457.12
132-52	From 18 MHz up to 36 MHz	CONUS	Ku-band	1	1 month	\$ 7,731.87
132-52	From 18 MHz up to 36 MHz	CONUS	Ku-band	1	1 year	\$ 6,091.60
<b>AOR C-Band</b>						
132-52	From 1 MHz up to 9 MHz	AOR	C-band	1	1 month	\$ 7,610.44
132-52	From 1 MHz up to 9 MHz	AOR	C-band	1	1 year	\$ 5,898.82
132-52	From 9 MHz up to 18 MHz	AOR	C-band	1	1 month	\$ 7,073.96
132-52	From 9 MHz up to 18 MHz	AOR	C-band	1	1 year	\$ 5,499.96
132-52	From 18 MHz up to 36 MHz	AOR	C-band	1	1 month	\$ 6,746.44
132-52	From 18 MHz up to 36 MHz	AOR	C-band	1	1 year	\$ 5,022.28
<b>AOR Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	AOR	Ku-Band	1	1 month	\$ 12,130.82
132-52	From 1 MHz up to 9 MHz	AOR	Ku-Band	1	1 year	\$ 9,228.44
132-52	From 9 MHz up to 18 MHz	AOR	Ku-Band	1	1 month	\$ 11,028.02
132-52	From 9 MHz up to 18 MHz	AOR	Ku-Band	1	1 year	\$ 8,389.49
132-52	From 18 MHz up to 36 MHz	AOR	Ku-Band	1	1 month	\$ 10,558.33
132-52	From 18 MHz up to 36 MHz	AOR	Ku-Band	1	1 year	\$ 8,389.49
<b>POR C-Band</b>						
132-52	From 1 MHz up to 9 MHz	POR	C-band	1	1 month	\$ 7,405.70
132-52	From 1 MHz up to 9 MHz	POR	C-band	1	1 year	\$ 5,887.51
132-52	From 9 MHz up to 18 MHz	POR	C-band	1	1 month	\$ 7,395.76
132-52	From 9 MHz up to 18 MHz	POR	C-band	1	1 year	\$ 5,643.25
132-52	From 18 MHz up to 36 MHz	POR	C-band	1	1 month	\$ 6,646.49
132-52	From 18 MHz up to 36 MHz	POR	C-band	1	1 year	\$ 5,201.05
<b>POR Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	POR	Ku-Band	1	1 month	\$ 8,259.60
132-52	From 1 MHz up to 9 MHz	POR	Ku-Band	1	1 year	\$ 7,644.90
132-52	From 9 MHz up to 18 MHz	POR	Ku-Band	1	1 month	\$ 8,161.17
132-52	From 9 MHz up to 18 MHz	POR	Ku-Band	1	1 year	\$ 7,285.91
132-52	From 18 MHz up to 36 MHz	POR	Ku-Band	1	1 month	\$ 7,763.24
132-52	From 18 MHz up to 36 MHz	POR	Ku-Band	1	1 year	\$ 6,689.49
<b>IOR C-Band</b>						
132-52	From 1 MHz up to 9 MHz	IOR	C-band	1	1 month	\$ 8,525.75
132-52	From 1 MHz up to 9 MHz	IOR	C-band	1	1 year	\$ 6,046.17
132-52	From 9 MHz up to 18 MHz	IOR	C-band	1	1 month	\$ 7,599.57
132-52	From 9 MHz up to 18 MHz	IOR	C-band	1	1 year	\$ 5,783.59
132-52	From 18 MHz up to 36 MHz	IOR	C-band	1	1 month	\$ 7,204.82
132-52	From 18 MHz up to 36 MHz	IOR	C-band	1	1 year	\$ 5,567.54

**ARROWHEAD GLOBAL SOLUTIONS, INC.**  
**GSA Pricelist**

SIN	Service Type/Bandwidth in MHz	Geographic Area	Frequency Band	QTY	Unit Charge (i.e. per time period bandwidth)	GSA Price
<b>IOR Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	IOR	Ku-Band	1	1 month	\$ 9,149.10
132-52	From 1 MHz up to 9 MHz	IOR	Ku-Band	1	1 year	\$ 6,836.16
132-52	From 9 MHz up to 18 MHz	IOR	Ku-Band	1	1 month	\$ 8,864.24
132-52	From 9 MHz up to 18 MHz	IOR	Ku-Band	1	1 year	\$ 6,465.51
132-52	From 18 MHz up to 36 MHz	IOR	Ku-Band	1	1 month	\$ 8,190.93
132-52	From 18 MHz up to 36 MHz	IOR	Ku-Band	1	1 year	\$ 6,145.34
<b>AFRICA C-Band</b>						
132-52	From 1 MHz up to 9 MHz	Africa	C-Band	1	1 month	\$ 9,650.06
132-52	From 1 MHz up to 9 MHz	Africa	C-Band	1	1 year	\$ 8,039.30
132-52	From 9 MHz up to 18 MHz	Africa	C-Band	1	1 month	\$ 8,660.52
132-52	From 9 MHz up to 18 MHz	Africa	C-Band	1	1 year	\$ 7,183.64
132-52	From 18 MHz up to 36 MHz	Africa	C-Band	1	1 month	\$ 8,397.29
132-52	From 18 MHz up to 36 MHz	Africa	C-Band	1	1 year	\$ 6,799.16
<b>AFRICA Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	Africa	Ku-Band	1	1 month	\$ 4,947.52
132-52	From 1 MHz up to 9 MHz	Africa	Ku-Band	1	1 year	\$ 4,471.09
132-52	From 9 MHz up to 18 MHz	Africa	Ku-Band	1	1 month	\$ 4,497.74
132-52	From 9 MHz up to 18 MHz	Africa	Ku-Band	1	1 year	\$ 4,064.64
132-52	From 18 MHz up to 36 MHz	Africa	Ku-Band	1	1 month	\$ 4,475.83
132-52	From 18 MHz up to 36 MHz	Africa	Ku-Band	1	1 year	\$ 4,051.60
<b>ASIA C-Band</b>						
132-52	From 1 MHz up to 9 MHz	Asia	C-Band	1	1 month	\$ 7,754.56
132-52	From 1 MHz up to 9 MHz	Asia	C-Band	1	1 year	\$ 6,550.10
132-52	From 9 MHz up to 18 MHz	Asia	C-Band	1	1 month	\$ 6,038.45
132-52	From 9 MHz up to 18 MHz	Asia	C-Band	1	1 year	\$ 5,245.72
132-52	From 18 MHz up to 36 MHz	Asia	C-Band	1	1 month	\$ 5,809.85
132-52	From 18 MHz up to 36 MHz	Asia	C-Band	1	1 year	\$ 4,710.09
<b>ASIA Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	Asia	Ku-Band	1	1 month	\$ 5,460.75
132-52	From 1 MHz up to 9 MHz	Asia	Ku-Band	1	1 year	\$ 4,536.02
132-52	From 9 MHz up to 18 MHz	Asia	Ku-Band	1	1 month	\$ 4,711.84
132-52	From 9 MHz up to 18 MHz	Asia	Ku-Band	1	1 year	\$ 43.53
132-52	From 18 MHz up to 36 MHz	Asia	Ku-Band	1	1 month	\$ 4,304.28
132-52	From 18 MHz up to 36 MHz	Asia	Ku-Band	1	1 year	\$ 4,275.26
<b>SOUTH AMERICA C-Band</b>						
132-52	From 1 MHz up to 9 MHz	South America	C-Band	1	1 month	\$ 6,414.90
132-52	From 1 MHz up to 9 MHz	South America	C-Band	1	1 year	\$ 4,742.58
132-52	From 9 MHz up to 18 MHz	South America	C-Band	1	1 month	\$ 5,437.76
132-52	From 9 MHz up to 18 MHz	South America	C-Band	1	1 year	\$ 4,304.28
132-52	From 18 MHz up to 36 MHz	South America	C-Band	1	1 month	\$ 4,956.87
132-52	From 18 MHz up to 36 MHz	South America	C-Band	1	1 year	\$ 4,275.26
<b>SOUTH AMERICA Ku-Band</b>						
132-52	From 1 MHz up to 9 MHz	South America	Ku-Band	1	1 month	\$ 5,380.00
132-52	From 1 MHz up to 9 MHz	South America	Ku-Band	1	1 year	\$ 4,510.92
132-52	From 9 MHz up to 18 MHz	South America	Ku-Band	1	1 month	\$ 4,650.63
132-52	From 9 MHz up to 18 MHz	South America	Ku-Band	1	1 year	\$ 43.53
132-52	From 18 MHz up to 36 MHz	South America	Ku-Band	1	1 month	\$ 4,304.28
132-52	From 18 MHz up to 36 MHz	South America	Ku-Band	1	1 year	\$ 4,275.26

**ARROWHEAD GLOBAL SOLUTIONS, INC.  
GSA Pricelist**

<b>SIN</b>	<b>Service Type/Bandwidth in MHz</b>	<b>GSA Price</b>
132-52	Arrow-2020 SecureLink™ Terminal: Arrowhead SecureLink™ is a complete Ku-band portable satellite terminal capable of broadband IP data transmission (typically 64 kbps – 6 Mbps) tailored for customers in remote regions where reliable communications is un	\$ 86,085.64
	<b>Arrow-2502 Teleport Services: Arrowhead provides teleport services to uplink and downlink satellite signals. Teleport services are provided on large C – band and Ku – band terminals, and are charged on the basis of the simplex bandwidth in MHz.</b>	
132-52	1 to 20 MHz	\$ 1,056.24
132-52	21 to 60 MHz	\$ 844.41
132-52	>60 MHz	\$ 754.46
	<b>Arrow-3015 The satellite simulator provides the simulation of a satellite link including a satellite terminal and a space segment. The simulator is a compact, easy-to-use solution as a training and evaluation tool for satellite earth terminals.</b>  <b>Features</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Simulates C, X, Ku, and Ka bands simultaneously</li> <li><input type="checkbox"/> Permits earth station setup without actual satellites available <ul style="list-style-type: none"> <li><input type="checkbox"/> Compact with self-contained antennas</li> <li><input type="checkbox"/> Easy to operate</li> <li><input type="checkbox"/> AC and DC Power</li> </ul> </li> <li><input type="checkbox"/> With ruggedized / Weatherproof Enclosure <ul style="list-style-type: none"> <li><input type="checkbox"/> Light Weight</li> <li><input type="checkbox"/> Field Tested</li> </ul> </li> <li><input type="checkbox"/> Simulates operation over 300 ft</li> </ul>	
132-52	Quad Band Satellite Simulator (C,X, Ku, Ka bands)	\$ 45,833.35
132-52	Quad Band Satellite Simulator with Wireless Remote	\$ 62,808.66
132-52	Tri Band Satellite Simulator (C, X, Ku bands)	\$ 34,516.47
	<b>Arrow-4025 ArrowFlex Satellite Services: The ArrowFlex VSAT product is an end-to-end solution for Government and commercial users who need a flexible, cost-effective solution for a variety of communications needs. With the advances in applications such</b>	
	<b>Equipment Price</b>	
132-52	1.2M/2W Fixed Terminal	\$ 2,457.79
	1.2M/2W Fixed Terminal (Basic Installation)	\$ 865.69
132-52	1.8M/2W Fixed Terminal	\$ 3,351.54
	1.8M/2W Fixed Terminal (Basic Installation)	\$ 1,954.82
132-52	2.4M/2W Fixed Terminal	\$ 6,591.36
	2.4M/2W Fixed Terminal (Basic Installation)	\$ 2,350.43
132-52	1.2M/2W Standard Deployable Terminal	\$ 11,115.93
132-52	1.2M/2W Quick Deployable Terminal	\$ 22,567.01
132-52	0.75M Auto Deploy Terminal	\$ 29,046.65
	<b>Full Time Service (Price per site/month)</b>	
132-52	64/32	\$ 185.71
132-52	128/64	\$ 278.18
132-52	128/128	\$ 370.90
132-52	256/64	\$ 389.90
132-52	256/256	\$ 603.28
132-52	384/128	\$ 532.89
132-52	384/384	\$ 929.53
132-52	512/128	\$ 619.04

**ARROWHEAD GLOBAL SOLUTIONS, INC.**  
**GSA Pricelist**

SIN	Service Type/Bandwidth in MHz	GSA Price
132-52	512/512	\$ 1,150.07
132-52	768/128	\$ 841.51
132-52	1544/256	\$ 1,681.09
132-52	1544/512	\$ 2,035.10
132-52	2048/256	\$ 2,124.09
132-52	2048/512	\$ 2,478.11
<b>Services</b>		
132-52	Site Survey (per site)	\$ 335.64
<b>Monthly CONUS Maintenance per site</b>		
132-52	Normal Business Hours, Next Day Response	\$ 61.90
132-52	Normal Business Hours, 4 Hour Response	\$ 112.20
132-52	24/7, 4 Hour Response	\$ 134.45
<b>Event Driven Services (Price per site/month)</b>		
<b>Forward/Reverse Channel (Kbps)</b>		
<b>2 to 3 Days</b>		
132-52	256/64	\$ 370.46
132-52	384/128	\$ 463.63
132-52	512/128	\$ 556.36
132-52	768/128	\$ 834.53
132-52	1544/256	\$ 974.18
132-52	1544/512	\$ 1,159.63
<b>4 to 10 Days</b>		
132-52	256/64	\$ 556.36
132-52	384/128	\$ 741.81
132-52	512/128	\$ 881.45
132-52	768/128	\$ 1,159.63
132-52	1544/256	\$ 1,483.61
132-52	1544/512	\$ 1,761.79
<b>11 + Days</b>		
132-52	256/64	\$ 741.81
132-52	384/128	\$ 881.45
132-52	512/128	\$ 1,066.91
132-52	768/128	\$ 1,530.54
132-52	1544/256	\$ 1,854.52
132-52	1544/512	\$ 2,225.42
Notes: 1. Monthly service fee of \$200.00 per site/per month is billed regardless of any network usage monthly fee includes (1) day of testing. 2. 1544/512 service is not available for the Auto Deploy Terminal.		
<b>Back-up Service --Forward/Reverse Channel (Price per site/month)</b>		
132-52	1544/256 (Kbps)	\$ 166.37
132-52	Cost per Mbyte/site over 100 Mbyte:	\$ 1.57
Note: Back-up Service offering includes a 100Mbyte/site throughput included in the monthly fee.		
<b>Arrow-4030 Managed X-BAND SERVICES: Arrowhead Global Solutions provides leased X-band capacity on XTAR-EUR or XTAR-LANT satellites to a wide range of U.S. and Allied government agencies. These two unique X-band satellites represent the emergence of a ne</b>		
<b>NON-PRE-EMPTIBLE PRICING</b>		
132-52	From 1 MHz up to 9 MHz (Per MHz, 1 Year)	\$ 12,930.26
132-52	From 9 MHz up to 18 MHz (Per MHz, 1 Year)	\$ 9,477.16
132-52	From 18 MHz up to 36 MHz (Per MHz, 1 Year)	\$ 9,046.73
132-52	Greater than 36MHz (Per MHz, 1 Year)	\$ 8,907.45

**ARROWHEAD GLOBAL SOLUTIONS, INC.  
GSA Pricelist**

<b>SIN</b>	<b>Service Type/Bandwidth in MHz</b>	<b>GSA Price</b>
<b>PRE-EMPTIBLE PRICING</b>		
132-52	From 1 MHz up to 9 MHz (Per MHz, 1 Year)	\$ 11,634.14
132-52	From 9 MHz up to 18 MHz (Per MHz, 1 Year)	\$ 8,389.00
132-52	From 18 MHz up to 36 MHz (Per MHz, 1 Year)	\$ 7,829.92
132-52	Greater than 36 MHz (Per MHz, 1 Year)	\$ 7,697.41
<b>X-band Teleport Services (Lead Time: 50 Days)</b>		
132-52	1 to 20 MHz	\$ 1,644.33
132-52	20 to 60 MHz	\$ 1,402.52
132-52	>60 MHz	\$ 1,257.43
<b>X-Band Terminals (Lead Time: 90 to 120 Days)</b>		
132-52	1 Meter Fly-Away	\$ 120,906.80
132-52	On-the-Move Terminal	\$ 159,596.98
132-52	1.8 Meter Transportable (Single Band)	\$ 241,813.60
132-52	High End Transportable (Tri-band, Certified)	\$ 473,954.66
132-52	ARROW-4050 Secure Extended Reach Terminal (SERT): SERT is a revolutionary and unique hybrid SATCOM/Wireless solution for secure Government applications. The solution incorporates end-to-end security, wireless connectivity and backhaul satellite communic	\$ 95,995.16

ARROWHEAD GLOBAL SOLUTIONS, INC.  
GSA Pricelist

SIN	Product Code	Item	Description	Minimum Commitment (Allowable Data/Min)	Unit	GSA Price
<b>Recurring Costs</b>						
<b>Standard Service Package</b>						
132-52	ARROW-BGAN-ACT-STD	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	12 mo (0MB/0min)	/SIM Card	\$ 39.12
132-52	ARROW-BGAN-BW-STD	Standard Monthly Fee	Monthly fee for Standard Service package, 12 month commitment, no allotted MB or voice min	12 mo (0MB/0min)	/mo/SIM card	\$ 34.56
132-52	ARROW-BGAN-IP-STD	Standard Background IP (MByte)	Usage based fee for IP data for users operating on Standard Service Package (including VoIP calls)	12 mo (0MB/0min)	MB	\$ 6.27
<b>Basic Service Package</b>						
132-52	ARROW-BGAN-ACT-BAS	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	12 mo (0MB/0min)	/SIM Card	\$ 39.12
132-52	ARROW-BGAN-BW-BAS	Standard Monthly Fee	Monthly fee for Basic Service package, 12 month commitment, no allotted MB or voice min	12 mo (0MB/0min)	/mo/SiM card	\$ 50.05
132-52	ARROW-BGAN-IP-BAS	Standard Background IP (MByte)	Usage based fee for IP data for users operating on Basic Service Package (including VoIP calls)	12 mo (0MB/0min)	MB	\$ 5.72
<b>Monthly Allowance Plans</b>						
<b>Entry Package</b>						
132-52	ARROW-BGAN-BW-ENT	Monthly Fee	Monthly fee for Entry Level Allowance package, 3 month commitment, includes 20MB of IP traffic and 0 min of voice service	3 mo (20MB/0min)	/mo/SiM card	\$ 108.56
132-52	ARROW-BGAN-IP-ENT	Additional MB	Usage based overage fee for IP data for users operating on Entry Level allowance package (including VoIP calls).	3 mo (20MB/0min)	MB	\$ 5.43
132-52	ARROW-BGAN-ACT-ENT	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	3 mo (20MB/0min)	/SIM Card	\$ 39.12
<b>Mid Package</b>						
132-52	ARROW-BGAN-BW-MID	Monthly Fee	Monthly fee for Mid Level Allowance package, 6 month commitment, includes 100MB of IP traffic and 30 min of voice service	6 mo (100MB/30min)	/mo/SiM card	\$ 421.03
132-52	ARROW-BGAN-IP-MID	Additional MB	Usage based overage fee for IP data for users operating on Mid Level allowance package (including VoIP calls)	6 mo (100MB/30min)	MB	\$ 4.47
132-52	ARROW-BGAN-ACT-MID	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	6 mo (100MB/30min)	/SIM Card	\$ 39.12
<b>High Package</b>						
132-52	ARROW-BGAN-BW-HIG	Monthly Fee	Monthly fee for High Level Allowance package, 12 month commitment, includes 750MB of IP traffic and 200 min of voice service	12 mo (750MB/200min)	/mo/SiM card	\$ 2,619.58
132-52	ARROW-BGAN-IP-HIG	Additional MB	Usage based overage fee for IP data for users operating on High Level allowance package (including VoIP calls)	12 mo (750MB/200min)	MB	\$ 3.95
132-52	ARROW-BGAN-ACT-HIG	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	12 mo (750MB/200min)	/SIM Card	\$ -
<b>Super Package</b>						
132-52	ARROW-BGAN-BW-SUP	Monthly Fee	Monthly fee for Super Level Allowance package, 12 month commitment, includes 2000MB of IP traffic and 300 min of voice service	12 mo (2GB/300min)	/mo/SiM card	\$ 5,425.79
132-52	ARROW-BGAN-IP-SUP	Additional MB	Usage based overage fee for IP data for users operating on Super Level allowance package (including VoIP calls)	12 mo (2GB/300min)	MB	\$ 3.21
132-52	ARROW-BGAN-ACT-SUP	Activation Fee	One time set-up fee to activate customer SIM card in BGAN network	12 mo (2GB/300min)	/SIM Card	\$ -
<b>Universal Services for all Packages</b>						
132-52	ARROW-BGAN-VOICE-PSTN	BGAN Voice to PSTN	Per minute fee for analog voice service for calls between a BGAN terminal and a fixed handset operating off the Public Switched Telephone Network (VoIP traffic would be considered IP traffic).		/min	\$ 0.82
132-52	ARROW-BGAN-VOICE-BGAN/VM	BGAN Voice TO BGAN or Voicemail (min)	Per minute fee for analog voice service for calls between a BGAN terminal and another BGAN terminal - or call from a BGAN terminal to check BGAN Voice-mail (VoIP traffic would be considered IP traffic).		/min	\$ 0.64
132-52	ARROW-BGAN-VOICE-CELL	BGAN Voice to Voice to Cell (min)	Per minute fee for analog voice service for calls between a BGAN terminal and a standard cell phone (VoIP traffic would be considered IP traffic).		/min	\$ 0.98
132-52	ARROW-BGAN-SMS	SMS	Short Message Service - a short text messages		/message	\$ 0.43
132-52	ARROW-BGAN-ISDN	ISDN	connection fee for ISDN sessions to devices on the internet or PSTN		/15 sec	\$ 4.83
132-52	ARROW-BGAN-ISDN-B	ISDN to Inmarsat B HSD	connection fee for ISDN sessions to devices on the Inmarsat B network		/15 sec	\$ 12.02
132-52	ARROW-BGAN-ISDN-GAN	ISDN to Inmarsat GAN/Fleet/Swift HSD	connection fee for ISDN sessions to devices on the Inmarsat GAN, Fleet or Swift networks		/15 sec	\$ 10.66

**ARROWHEAD GLOBAL SOLUTIONS, INC.**  
**GSA Pricelist**

SIN	Product Code	Item	Description	Minimum Commitment (Allowable Data/Min)	Unit	GSA Price
132-52	ARROW-BGAN-FAX-A	BGAN Voice/Data/Fax to Inmarsat A	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat A network		/min	\$ 4.93
132-52	ARROW-BGAN-FAX-B	BGAN Voice/Data/Fax to Inmarsat B	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat B network		/min	\$ 2.44
132-52	ARROW-BGAN-FAX-M	BGAN Voice/Data/Fax to Inmarsat M	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat M network		/min	\$ 2.08
132-52	ARROW-BGAN-FAX-MINI	BGAN Voice/Data/Fax to Inmarsat Mini M	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat Amini-M network		/min	\$ 1.79
132-52	ARROW-BGAN-FAX-GAN	BGAN Voice/Data/Fax to Inmarsat GAN/Fleet/Swift	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat GAN, Fleet or Swift networks		/min	\$ 1.87
132-52	ARROW-BGAN-FAX-AERO	BGAN Voice/Data/Fax to Inmarsat Aero	Connection fee for analog voice/fax or data traffic to devices on the Inmarsat Aero network		/min	\$ 3.51
132-52	ARROW-BGAN-FAX-IRIDIUM	BGAN Voice/Data/Fax to Iridium	Connection fee for analog voice/fax or data traffic to devices on the Iridium network		/min	\$ 2.87
132-52	ARROW-BGAN-FAX-GLOBALSTAR	BGAN Voice/Data/Fax to Globalstar	Connection fee for analog voice/fax or data traffic to devices on the Globalstar network		/min	\$ 4.08
132-52	ARROW-BGAN-FAX-THURAYA	BGAN Voice/Data/Fax to Thuraya	Connection fee for analog voice/fax or data traffic to devices on the Thuraya network		/min	\$ 2.87
			<b>Streaming IP (Guaranteed Bandwidth)</b>			
132-52	ARROW-BGAN-BW-32A	32K Encrypted VoIP (min)	Cost for dedicated 32kbps streaming data session. This version is for encrypted VoIP only.		/min	\$ 1.91
132-52	ARROW-BGAN-BW-32B	32K (min)	Cost for dedicated 32kbps streaming data session.		/min	\$ 1.91
132-52	ARROW-BGAN-BW-64	64K (min)	Cost for dedicated 64kbps streaming data session.		/min	\$ 5.23
132-52	ARROW-BGAN-BW-128	128K (min)	Cost for dedicated 128kbps streaming data session.		/min	\$ 9.09
132-52	ARROW-BGAN-BW-256	256K (min)	Cost for dedicated 256kbps streaming data session.		/min	\$ 15.31
			<b>Additional Services</b>			
132-52	ARROW-BGAN-IP-ADDR	Static IP Address	Cost for a static IP address provided by Arrowhead		/Static IP Addr	\$ 37.30
			<b>Non-Recurring Costs</b>			
			<b>BGAN Terminals</b>			
132-8	ARROW-BGAN-HNS-9201	Hughes 9201	HNS 9201 Bgan Terminal (includes Std LI Ion battery, USB Cable, Ethernet Cable, ISDN Cable, Installation CD and AC/DC adapter)		each	\$ 2,303.27
132-8	ARROW-BGAN-HNS-BAT	LI Ion Extended Life Battery	Optional, Extended life LI Ion battery for 9201 terminal		each	\$ 174.76
132-8	ARROW-BGAN-HNS-30MAC	30m Extension Cable, AC	Optional, 30 meter extension cable for AC power		each	\$ 19.56
132-8	ARROW-BGAN-HNS-EUROPLUG	Euro Plug Adapter	Optional, European Plug Adapters		each	\$ 19.56
132-8	ARROW-BGAN-HNS-FIXED	Fix Mount Kit	Optional, Fixed mount kit		each	\$ 163.02
132-8	ARROW-BGAN-THR-500	Thrane & Thrane Explorer 500	Thrane & Thrane Explorer 500 BGAN terminal (includes Ethernet Cable, Power Cable, 1.8m USB Cable, Battery Pack, Export Box, Getting Started Kit, Turbo Decoder License and AC/DC Adapter)		each	\$ 2,774.81
132-8	ARROW-BGAN-NER-1000	Nera World Pro 1000	Nera WorldPro 1000 BGAN Terminal (includes 1000 Antenna Unit, 1000 Interface Unit, USB Cable, AC/DC Adapter, Battery Pack, Documentation Package w/ CD)		each	\$ 2,167.25
132-8	ARROW-BGAN-NER-ISDNPH	Worldset (Telephone handset w/ cable)	Optional, ISDN phone w/ cable		each	\$ 381.52
132-8	ARROW-BGAN-NERA-3MCAB	Antenna Cable -3m	Optional, 3m Antenna Cable		each	\$ 237.16
132-8	ARROW-BGAN-NER-10MCAB	Antenna Cable -10m	Optional, 10m Antenna Cable		each	\$ 273.26
132-8	ARROW-BGAN-NER-20MCAB	Antenna Cable -20m	Optional, 20M Antenna Cable		each	\$ 301.09
132-8	ARROW-BGAN-NER-CAR	Car Charger	Optional Car Charger		each	\$ 27.20
132-8	ARROW-BGAN-NER-DCCD	DC/DC adaptor	Optional, DC/DC Adapter		each	\$ 120.64
			<b>NOTES</b>			
			1- All packages are applicable to ONE Inmarsat BGAN SIM Card ONLY!			
			2- Minimum Call Duration is 30 seconds for voice circuit switched calls and 30 Seconds for ISDN connections			
			3- Billing increments for ALL duration based traffic (voice ISDN, Fax and Streaming) is 15 seconds			
			4- Billing increments for all data based traffic (Background IP) is 10KB			
			5- Expedited delivery on services does NOT include any shipping of SIM cards			

ARROWHEAD GLOBAL SOLUTIONS, INC.  
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SIN	Product Code	Item	Description	Minimum Commitment (Allowable Data/Min)	Unit	GSA Price
			6- Pricing excludes VAT and any other applicable taxes			

**ARROWHEAD GLOBAL SOLUTIONS, INC.  
GSA Pricelist**

<b>Dealer Name</b>	<b>SIN</b>	<b>Mfr Name</b>	<b>Mfr Part Number</b>	<b>Product Description</b>	<b>GSA Price</b>	<b>Warranty Length</b>	<b>COO</b>
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	SR1V1D	Remote SIPT (2 Ports - 1 Voice / 1 Data) (Per Unit) 1-99	\$ 2,126.19	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-3	Gateway SIPT (3 x DS0 Configuration) (Per Unit) 1-99	\$ 31,892.80	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-6	Gateway SIPT (6 x DS0 Configuration) (Per Unit) 1-99	\$ 47,839.19	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-12	Gateway SIPT (12 x DS0 Configuration) (Per Unit) 1-99	\$ 63,785.59	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	SR1V1D-100	Remote SIPT (2 Ports - 1 Voice / 1 Data) (Per Unit) 100+	\$ 1,986.10	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-3-100	Gateway SIPT (3 x DS0 Configuration) (Per Unit) 100+	\$ 29,791.44	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-6-100	Gateway SIPT (6 x DS0 Configuration) (Per Unit) 100+	\$ 44,687.15	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	Psi Systems	MINI-SG-12-100	Gateway SIPT (12 x DS0 Configuration) (Per Unit) 100+	\$ 59,582.87	30 DAYS	US

**ARROWHEAD GLOBAL SOLUTIONS, INC.**  
**GSA Pricelist**

Dealer Name	SIN	Mfr Name	Mfr Part Number	Product Description	GSA Price	Warranty Length	COO
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB110-BB	RX1210B, Filter DDOS in both (2) directions, Throughput (pps): 250K, Media Type: Copper, Failure Mode: bypass/short	\$ 7,504.28	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB111-BB	RX1211B, Filter DDOS in both (2) directions, 250K: 250K, Copper: Fiber SX/LC, bypass/short: bypass/short	\$ 8,689.17	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB112-BB	RX1212B, Filter DDOS in both (2) directions, 250K: 250K, Fiber SX/LC: Fiber LX/LC, bypass/short: bypass/short	\$ 8,689.17	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU210-BB	RX2310U, Filter DDOS in one (1) direction, 250K: 425K, Fiber LX/LC: Copper, bypass/short: bypass/short	\$ 15,008.56	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU211-BB	RX2311U, Filter DDOS in one (1) direction, 425K: 425K, Copper: Fiber SX/LC, bypass/short: bypass/short	\$ 16,193.45	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU212-BB	RX2312U, Filter DDOS in one (1) direction, 425K: 425K, Fiber SX/LC: Fiber LX/LC, bypass/short: bypass/short	\$ 16,193.45	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB210-BB	RX2310B, Filter DDOS in both (2) directions, 425K: 425K, Fiber LX/LC: Copper, bypass/short: bypass/short	\$ 18,168.26	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB211-BB	RX2311B, Filter DDOS in both (2) directions, 425K: 425K, Copper: Fiber SX/LC, bypass/short: bypass/short	\$ 19,353.15	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXB212-BB	RX2312B, Filter DDOS in both (2) directions, 425K: 425K, Fiber SX/LC: Fiber LX/LC, bypass/short: bypass/short	\$ 19,353.15	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU310-BB	RX3310U, Filter DDOS in one (1) direction, 425K: 550K, Fiber LX/LC: Copper, bypass/short: bypass/short	\$ 33,176.83	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU311-BB	RX3311U, Filter DDOS in one (1) direction, 550K: 550K, Copper: Fiber SX/LC, bypass/short: bypass/short	\$ 34,361.71	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PXU312-BB	RX3312U, Filter DDOS in one (1) direction, 550K: 550K, Fiber SX/LC: Fiber LX/LC, bypass/short: bypass/short	\$ 34,361.71	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU500-AB	RE500, Filter DDOS in one (1) direction, : 150K, : Copper, : open	\$ 3,752.14	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU501-AB	RE501, Filter DDOS in one (1) direction, 150K: 150K, Copper: Fiber SX/LC, open: open	\$ 4,700.05	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU502-AB	RE502, Filter DDOS in one (1) direction, 150K: 150K, Fiber SX/LC: Fiber LX/LC, open: open	\$ 4,700.05	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU510-AB	RE510, Filter DDOS in one (1) direction, 150K: 150K, Fiber LX/LC: Copper, open: bypass/short	\$ 3,752.14	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU511-AB	RE511, Filter DDOS in one (1) direction, 150K: 150K, Copper: Fiber SX/LC, bypass/short: bypass/short	\$ 4,700.05	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	RR-PEU512-AB	RE512, Filter DDOS in one (1) direction, 150K: 150K, Fiber SX/LC: Fiber LX/LC, bypass/short: bypass/short	\$ 4,700.05	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	Fan Assembly	Order Part #: RR-AX2100-AA, Platform: RX, Replacement fans for the RX series. Live insertable and user replaceable.	\$ 43.45	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	Connector Kit for Alarm Output	RR-AX2100-AA: RR-AX1102-AA, RX: RX, Alarm connector and pins for the RX.	\$ 14.22	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	Cable Saddle (10pack)	RR-AX1102-AA: RR-AX1103-AA, RX: RX, A package of 10 nylon clips used to manage cables on the front of the RX.	\$ 7.90	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	AC Power Supply Module	RR-AX1103-AA: RR-AX2106-AA, RX: RX, 1 Replacement power supply unit for the RX. Live insertable and user replaceable	\$ 312.02	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	2 Post Rack Mounting Kit	RR-AX2106-AA: RR-AX1104-AA, RX: RX, A pair of RX mounting ears for front mount on a 2 post configuration. Standard kit shipped with the RX platform.	\$ 27.65	30 DAYS	US

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GSA Pricelist**

Dealer Name	SIN	Mfr Name	Mfr Part Number	Product Description	GSA Price	Warranty Length	COO
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	4 Post Rack Mounting Kit	RR-AX1104-AA: RR-AX1105-AA, RX: RX, A pair of mounting ears, latches and adjustable sliding rails for a 4 post mounting configuration.	\$ 75.04	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-8	RioRey, Inc.	GigE Crossover Cable	RR-AX1105-AA: RR-A00101-AA, RX: RX/RE, Standard 4 pairs crossover, Gig E ethernet cable, 10ft in length (3.5m).	\$ 27.65	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-MEA512-AA	12 months combined hardware and software maintenance package for the RE5xx:	\$ 502.17	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB110-BB	HW Maintenance for RX1210B	\$ 536.02	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB111-BB	HW Maintenance for: RX1211B	\$ 620.65	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB112-BB	HW Maintenance for: RX1212B	\$ 620.65	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU210-BB	HW Maintenance for: RX2310U	\$ 1,072.04	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU211-BB	HW Maintenance for: RX2311U	\$ 1,156.68	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU212-BB	HW Maintenance for: RX2312U	\$ 1,156.68	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB210-BB	HW Maintenance for: RX2310B	\$ 1,297.73	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB211-BB	HW Maintenance for: RX2311B	\$ 1,382.37	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXB212-BB	HW Maintenance for: RX2312B	\$ 1,382.37	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU310-BB	HW Maintenance for: RX3310U	\$ 2,369.77	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU311-BB	HW Maintenance for: RX3311U	\$ 2,454.41	30 DAYS	US
Arrowhead Global Solutions, Inc.	132-12	RioRey, Inc.	RR-HXU312-BB	HW Maintenance for: RX3312U	\$ 2,454.41	30 DAYS	US