

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

Special Item No. 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 D313	Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
FPDS Code D316	IT Network Management Services
FPDS Code D317	Creation/Retrieval of IT Related Automated News Services, Data Services, or Other Information Services
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 Agencies 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.

Note 4: This price-list is consistent with our award dated June 30, 2009.



Avum, Inc.

5115 Clareton Drive, Suite 210, Agoura, CA 91301

Phone: (310) 457-8263 – Fax: (310) 457-8264

<http://www.avum.com>

Contract Number: GS-35F-0683P

Period Covered by Contract: July 16, 2013 through July 15, 2019

Pricelist current through Modification A377, dated 05-Jun-2014

Products and ordering information in this Authorized FSS 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>

Small Disadvantaged Business

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Executive Summary – Introduction

Avum, an advanced systems engineering and software development firm founded in 1992, has been successfully providing advanced systems and IT solutions to government entities, Fortune 500 companies, and other small business customers for over 22 years. Our expertise is in process streamlining and re-engineering, systems integration, application design, development and implementation, information assurance, big-data mining and analytics, cyber security, business intelligence and large-scale database design, development and sustainment in mission-critical, large enterprise and secure environments.

Our dedicated professionals and Avum's systematic process, have provided liaison to our customers enabling them to pursue multiple government initiatives. Our DoD customers continually recommend Avum to other government agencies based upon our success in a wide range of administrative, logistical, and technical support activities. Through our efforts, we have enabled our customers to be leaders in groundbreaking innovation and related process improvements, integrated systems and database development and support, and cost-saving project management activities.

Avum's methodologies and processes, focusing on quality assurance, have been instrumental in our customers' success. We follow best practices and proven processes in embracing innovative approaches to problem solving always taking time to understand our customers' needs, then building a collaborative team to maximize return on their IT investment. Our business reengineering efforts focus on fundamentally rethinking business process design to achieve dramatic improvements in critical areas of performance and operational efficiency. We always start with the original problem to ensure that quickly moving technology has not obviated a customer's current or perceived solution.

Avum has built high-availability websites with over 10,000 pages for comprehensive content management systems, enterprise-wide native and web applications, and complete Enterprise Resource Planning (ERP) and sales and marketing systems. We create clean, concise, accurate, and maintainable code, having successfully built, tested, deployed, and tuned database applications in J2EE/Java, .NET, ASP, PL/SQL, and T-SQL. Our SOA and object-oriented architectures, frameworks, and components in Java, JSP, XML, and XSL are currently employed in core web applications, with our integration frameworks providing the basis for our customers' middleware. Use of CASE tools in modeling, precludes design flaws, which would otherwise result in defects during implementation, test and even in the delivered system, the ultimate goal being to reduce maintenance costs in our customers' operational systems.

Our engineers remain current and intimately involved with the industry standard information technology toolsets, enabling us to set lasting trends within our customers' IT groups. We recognize the value of analytics and succinct documentation of our statistics, discoveries, and recommendations. We build and document technology blueprints and business cases for the implementation of enduring initiatives that support and maintain the environments in which we work.

Avum engineers have supported production environments for years. In accepting ownership of the applications they maintain, they have always been quick to recognize resolutions for production issues. Avum remains fully aware of the need for responsive, thorough solutions, with an immediacy that is compatible with our customers' needs 24/7.

1 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 Acquisition Service. 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!TM on-line shopping service (www.fss.gsa.gov). The catalogs/pricelists, GSA Advantage!TM and the Federal Acquisition Service Home Page (www.fss.gsa.gov) contain information on a broad array of products and services offered by small business concerns.

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

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

1.1 Geographic Scope Of Contract

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

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.

1.2 Contractor's Ordering Address And Payment Information

Avum, Inc.

5115 Clareton Drive, Suite 210

Agoura, CA 91301

Phone: (310) 457-8263 — Fax: (310) 457-8264

Email: randall@avum.com

Attention: Randall P. Mora

Contractor must accept the credit card for payments equal to or less than the micropurchase for oral or written orders under this contract. The Contractor and the ordering agency may agree to use the credit card for dollar amounts over the micro-purchase threshold (See GSAR 552.232-79 Payment by Credit Card). In addition, bank account information for wire transfer payments will be shown on the invoice.

The following telephone number(s) can be used by ordering activities to obtain technical and/or ordering assistance: Phone: (310) 457-8263 — Fax: (310) 457-8264

1.3 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.

1.4 Statical 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: 145024167

Block 30: Type of Contractor – A. Small Disadvantaged Business

Block 31: Woman-Owned Small Business – No

Block 36: Contractor's Taxpayer Identification Number (TIN): 95-4487116

1.4a. CAGE Code: 3F6V6

1.4b. Contractor has registered with the Central Contractor Registration Database

1.5 FOB Destination

48 contiguous states, and the District of Columbia excluding Alaska, Hawaii and Puerto Rico.

1.6 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:

132-32 30 Days

132-33 30 Days

132-34 30 Days

132-51 At task completion

- 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.

1.7 Discounts

Prices shown are NET Prices; Basic Discounts have been deducted.

- a Prompt Payment: 1% - 10 days from receipt of invoice or date of acceptance, whichever is later.
- b Quantity: None
- c Dollar Volume: 0%
- d Government Educational Institutions are offered the same discounts as all other Government customers.
- e Other: None

1.8 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.

1.9 Statement Concerning Availability Of Export Packing

None.

1.10 Small Requirements

The minimum dollar value of orders to be issued is \$100.00.

1.11 Maximum Order

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

Special Item Number 132-3	Leasing of Product
Special Item Number 132-4	Daily / Short Term Rental
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 132-32	Term Software Licenses
Special Item Number 132-33	Perpetual Software Licenses
Special Item Number 132-34	Maintenance of Software
Special Item Number 132-51	Information Technology (IT) Professional Services
Special Item Number 132-52	Electronic Commerce (EC) Services
Special Item Number 132-53	Wireless Services

b The Maximum Order value for the following Special Item Numbers (SINs) is \$25,000:

Special Item Number 132-50 Training Courses

c The Maximum Order value for the following Special Item Numbers (SINs) is \$1,000,000:

Special Item Number 132-60 Access Certificates for Electronic Services (ACES) Program

Special Item Number 132-61 Public Key Infrastructure (PKI) Shared Service Provider (SSP) Program

Special Item Number 132-62 HSPD-12 Product and Service Components

d The Maximum Order for the following Special Item Numbers (SINs) is \$150,000:

Special Item Number 132-100 Ancillary Supplies and/or Services

1.12 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.

1.13 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.

1.13.1 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.

1.13.2 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.

1.14 Contractor Tasks / Special Requirements (C-FSS-370) (NOV 2003)

- 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. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and per diem charges.
- 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 as-

- sociated 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.
 - k Overtime: For professional services, the labor rates in the Schedule should not vary by virtue of the Contractor having worked overtime. For services applicable to the Service Contract Act (as identified in the Schedule), the labor rates in the Schedule will vary as governed by labor laws (usually assessed a time and a half of the labor rate).

1.15 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 52.212-4)

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.: Microsoft IE, Safari, Firefox, Chrome). The Internet address is <http://www.fss.gsa.gov/>.

1.17 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 8.402(f). 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.

1.18 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.
- c The maintenance/repair service provided is the standard commercial terms and conditions for the type of products and/or services awarded.

1.19 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:

Determined on a case-by-case basis

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.

1.20 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).

1.21 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.

1.22 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.

1.23 Section 508 Compliance

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

Section 508 compliance information on the supplies and services in this contract are available at the following website address: www.avum.com/

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

1.24 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.

1.25 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.

1.26 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>.

1.27 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)

2 Terms And Conditions Applicable To Information Technology (IT) Professional Services (Special Item 132-51)

2.1 Scope

- a The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Professional 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.

2.2 Performance Incentives I-FSS-60 Performance Incentives (April 2000)

- 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.
- 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.

2.3 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.

2.4 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 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.

2.5 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.

2.6 Inspection Of Services

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS—COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS –COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

2.7 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 (Dec 2007) Rights in Data – General, may apply.

2.8 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 Professional Services.

2.9 Independent Contractor

All IT Professional 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.

2.10 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.

2.11 Invoices

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional 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.

2.12 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 52.212-4 (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) 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 52.212-4 (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) applies to labor hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements Commercial Item Acquisition. As prescribed in 16.601(e)(3), insert the following provision:

- a The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
- b The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
 - 1 The offeror;
 - 2 Subcontractors; and/or
 - 3 Divisions, subsidiaries, or affiliates of the offeror under a common control.

2.13 Resumes

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

2.14 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.

2.15 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.

2.16 Description of IT Professional Services and Pricing

- a The Contractor shall provide a description of each type of IT Service offered under Special Item Numbers 132-51 IT Professional Services should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.
- b Pricing for all IT Professional Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

Pricing for all IT services offered are listed in "Products and Services Pricelist" paragraph (Section 3).

3 Products and Services Pricelist

Labor Category	7/16/13 - 7/15/14 CY10	7/16/14 - 7/15/15 CY11	7/16/15 - 7/15/16 CY12	7/16/16 - 7/15/17 CY13	7/16/17 - 7/15/18 CY14	7/16/18 - 7/15/19 CY15
Application System Administrator	\$104.98	\$106.97	\$109.00	\$111.07	\$113.18	\$115.33
Application System Administrator - Senior	\$136.25	\$138.84	\$141.48	\$144.17	\$146.91	\$149.70
Applications Engineer	\$100.51	\$102.42	\$104.37	\$106.35	\$108.37	\$110.43
Applications Engineer - Senior	\$122.86	\$125.19	\$127.57	\$129.99	\$132.46	\$134.98
Business Analyst	\$94.48	\$96.28	\$98.11	\$99.97	\$101.87	\$103.81
Business Analyst - Senior	\$125.30	\$127.68	\$130.11	\$132.58	\$135.10	\$137.67
Business Intelligence Engineer	\$113.92	\$116.08	\$118.29	\$120.54	\$122.83	\$125.16
Business Intelligence Engineer - Senior	\$140.72	\$143.39	\$146.11	\$148.89	\$151.72	\$154.60
Business Process Reengineering Specialist	\$122.86	\$125.19	\$127.57	\$129.99	\$132.46	\$134.98
Business Process Reengineering Specialist - Senior	\$154.11	\$157.04	\$160.02	\$163.06	\$166.16	\$169.32
Chief Engineer/Scientist	\$163.05	\$166.15	\$169.31	\$172.53	\$175.81	\$179.15
Communications Specialist	\$44.67	\$45.52	\$46.38	\$47.26	\$48.16	\$49.08
Data Architect	\$93.82	\$95.60	\$97.42	\$99.27	\$101.16	\$103.08
Data Architect - Senior	\$131.78	\$134.28	\$136.83	\$139.43	\$142.08	\$144.78
Database Administrator (DBA)	\$87.11	\$88.77	\$90.46	\$92.18	\$93.93	\$95.71
Database Administrator (DBA) - Senior	\$109.44	\$111.52	\$113.64	\$115.80	\$118.00	\$120.24

Table 1: Avum Inc. Labor Category Price List – Contract-Year 10 through Contract-Year 15
[1 of 3]

Labor Category	7/16/13 - 7/15/14 CY10	7/16/14 - 7/15/15 CY11	7/16/15 - 7/15/16 CY12	7/16/16 - 7/15/17 CY13	7/16/17 - 7/15/18 CY14	7/16/18 - 7/15/19 CY15
Graphic Artist	\$53.60	\$54.62	\$55.66	\$56.72	\$57.80	\$58.90
Help Desk Manager	\$62.54	\$63.73	\$64.94	\$66.17	\$67.43	\$68.71
Help Desk Specialist	\$53.60	\$54.62	\$55.66	\$56.72	\$57.80	\$58.90
Information Assurance Specialist	\$120.00	\$122.28	\$124.60	\$126.97	\$129.38	\$131.84
Network Administrator	\$90.00	\$91.71	\$93.45	\$95.23	\$97.04	\$98.88
Principal Analyst	\$138.48	\$141.11	\$143.79	\$146.52	\$149.30	\$152.14
Principal Database Administrator (DBA)	\$136.25	\$138.84	\$141.48	\$144.17	\$146.91	\$149.70
Principal Software Engineer (SOA and J2EE)	\$140.72	\$143.39	\$146.11	\$148.89	\$151.72	\$154.60
Program Manager	\$160.81	\$163.87	\$166.98	\$170.15	\$173.38	\$176.67
Program Manager - Senior	\$189.85	\$193.46	\$197.14	\$200.89	\$204.71	\$208.60
Project Manager	\$113.92	\$116.08	\$118.29	\$120.54	\$122.83	\$125.16
Project Manager - Senior	\$138.48	\$141.11	\$143.79	\$146.52	\$149.30	\$152.14
Quality Assurance Analyst	\$60.30	\$61.45	\$62.62	\$63.81	\$65.02	\$66.26
Quality Assurance Analyst - Senior	\$87.11	\$88.77	\$90.46	\$92.18	\$93.93	\$95.71
Quality Assurance Manager	\$125.08	\$127.46	\$129.88	\$132.35	\$134.86	\$137.42
Research Assistant	\$55.84	\$56.90	\$57.98	\$59.08	\$60.20	\$61.34
Research Assistant - Jr.	\$46.91	\$47.80	\$48.71	\$49.64	\$50.58	\$51.54
Science Advisor - Senior	\$234.52	\$238.98	\$243.52	\$248.15	\$252.86	\$257.66
Software Developer	\$64.77	\$66.00	\$67.25	\$68.53	\$69.83	\$71.16
Software Developer II	\$80.41	\$81.94	\$83.50	\$85.09	\$86.71	\$88.36
Software Developer III	\$100.51	\$102.42	\$104.37	\$106.35	\$108.37	\$110.43
Software Engineer	\$87.11	\$88.77	\$90.46	\$92.18	\$93.93	\$95.71
Software Engineer - Senior	\$107.21	\$109.25	\$111.33	\$113.45	\$115.61	\$117.81
Subject Matter Expert (SME)	\$178.69	\$182.09	\$185.55	\$189.08	\$192.67	\$196.33
Subject Matter Expert (SME) - Senior	\$251.28	\$256.05	\$260.91	\$265.87	\$270.92	\$276.07
System Administrator	\$80.41	\$81.94	\$83.50	\$85.09	\$86.71	\$88.36

Table 2: Avum Inc. Labor Category Price List – Contract-Year 10 through Contract-Year 15
[2 of 3]

Labor Category	7/16/13 - 7/15/14 CY10	7/16/14 - 7/15/15 CY11	7/16/15 - 7/15/16 CY12	7/16/16 - 7/15/17 CY13	7/16/17 - 7/15/18 CY14	7/16/18 - 7/15/19 CY15
System Architect	\$109.44	\$111.52	\$113.64	\$115.80	\$118.00	\$120.24
System Architect - Senior	\$131.78	\$134.28	\$136.83	\$139.43	\$142.08	\$144.78
Systems Analyst	\$96.05	\$97.87	\$99.73	\$101.62	\$103.55	\$105.52
Systems Analyst - Senior	\$113.92	\$116.08	\$118.29	\$120.54	\$122.83	\$125.16
Technical Writer	\$64.77	\$66.00	\$67.25	\$68.53	\$69.83	\$71.16
Web Development Engineer	\$111.68	\$113.80	\$115.96	\$118.16	\$120.41	\$122.70
Web Development Engineer - Senior	\$142.94	\$145.66	\$148.43	\$151.25	\$154.12	\$157.05

Table 3: Avum Inc. Labor Category Price List – Contract-Year 10 through Contract-Year 15
[3 of 3]

3.1 Labor Categories

3.1.1 Experience and Education Substitutions for All Labor Categories

When the terms are considered industry standards relevant experience may be substituted for educational requirements, and vice versa, as follows:

- Two (2) years of experience in lieu of an Associate’s Degree
- Four (4) years of experience in lieu of a Bachelor’s Degree
- Five (5) years of experience in lieu of a Master’s Degree
- Six (6) years of experience in lieu of a Ph.D. or Doctorate Degree

For example, the minimum requirements for the Subject Matter Expert (SME) – Senior labor category in Avum’s GSA Schedule includes 24 years of experience and an advanced degree. Avum may assign a staff member that does not possess the required advanced degree to this contract labor category, provided that the staff member has at least five additional years of relevant experience over and above the minimum experience requirement (for a total of at least 29 years of experience). In this example, Avum will consider an applicant that is more qualified in terms of years of experience, and in exchange, relax the educational requirement for the position.

Labor Categories Descriptions

APPLICATION SYSTEM ADMINISTRATOR

Minimum/General Experience: The Application System Administrator position requires five

years of experience in deploying J2EE applications to web containers, with a significant background in Oracle Application Service (OAS), Apache , BEA Weblogic or other application servers.

Functional Responsibility: The positions requires installing, configuring and maintaining Web application servers, providing load balancing and fault tolerance on multiple hosting operating environments using Oracle Application Service (OAS), Apache and/or BEA Weblogic or other applications.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Business or a related field.

APPLICATION SYSTEM ADMINISTRATOR – SENIOR

Minimum/General Experience: The Senior Application System Administrator position requires seven years of experience deploying J2EE applications to web containers, with a significant background in Oracle Application Service (OAS), Apache , BEA Weblogic or other application servers.

Functional Responsibility: The position requires leading a team of administrators in installing, configuring and maintaining Web application servers and providing load balancing and fault tolerance on multiple hosting operating environments using Oracle Application Service (OAS), Apache and/or BEA Weblogic or other applications.

Minimum Education: Master's degree in Computer Science, Information Systems, Business or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

APPLICATIONS ENGINEER

Minimum/General Experience: The Applications Engineer position requires five years of experience, three of which must be specialized. Engineer should have experience as an applications programmer on large-scale database systems, designing and developing software.

Functional Responsibility: The position requires translating designs into computer software, working with other members of the engineering team to generate plans to develop applications and test and debug programs for clients.

Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering, Computer Programming or a related field

APPLICATIONS ENGINEER – SENIOR

Minimum/General Experience: The Senior Applications Engineer position requires a minimum of nine years of experience, six of which must be specialized. Engineer should have experience as an applications programmer on large-scale database systems, designing and developing software. Senior position also requires management experience.

Functional Responsibility: The position requires acting as the lead developer in translating designs into computer software, in addition to managing a team of engineers. Position will require developing project plans, meeting and consulting with clients and serving as the primary responsibility for application development.

Minimum Education: Master's degree in Computer Science, Information Systems, Engineering, Computer Programming or a related field. A Bachelor's degree with substantial experience may be used in lieu of a Master's.

BUSINESS ANALYST

Minimum/General Experience: The Business Analyst position requires five years of experience, three of which must be specialized. Analyst should have knowledge of business processes with an emphasis on process automation and system integration.

Functional Responsibility: The position requires analyst work with team members to generate ideas on how coordinate business priorities to maximize time, efficiency and cost, as well as the ability to document reports and track company progress.

Minimum Education: Master's degree in Business or a computer related field. A Bachelor's degree, with experience, may be used in lieu of a Master's.

BUSINESS ANALYST – SENIOR

Minimum/General Experience: The Business Analyst position requires seven years of experience, five of which must be specialized. Analyst should have experience analyzing business processes with an emphasis on process automation and system integration, in addition to team management skills.

Functional Responsibility: The position requires coordinating, generating and organizing business priorities to maximize company time, efficiency and cost. Senior analyst will work with team members to plan company schedules, document reports and track progress, while recommending automation strategies to streamline business processes.

Minimum Education: Master's degree in Business or a computer related field. A Bachelor's degree, with experience, may be used in lieu of a Master's.

BUSINESS INTELLIGENCE ENGINEER

Minimum/General Experience: The Business Intelligence Engineer requires three years of experience. Engineer must be competent in analyzing business models and abreast of market conditions.

Functional Responsibility: The position requires engineer organize and formulate business data with a team of other engineers, creating graphs and forecasting models that depict company trends, while developing new strategies that help create growth and business efficiency.

Minimum Education: A Bachelor's degree in Business, Engineering or Computer Science is required.

BUSINESS INTELLIGENCE ENGINEER – SENIOR

Minimum/General Experience: The Business Intelligence Engineer requires three years of experience. Engineer must be competent in database systems and be able to transform multiple data sources within system using business intelligence principles.

Functional Responsibility: The position requires engineer analyze business systems through data extraction and interpretation and provide integrated solutions to cleanse and integrate multiple data sources. Analyzing confidence intervals and sample sizes and drawing and maintaining data integrity is also necessary.

Minimum Education: A Master's degree in Business, Engineering or Computer Science is required. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

BUSINESS PROCESS REENGINEERING SPECIALIST

Minimum/General Experience: The Senior Business Process Reengineering Specialist position requires five years of experience in improving business methodology and experience using tools to evaluate and identify the best business practices, in addition to working as a part of team to meet those goals.

Functional Responsibility: The position requires applying modern business methods to reengineer and process improvements to conduct process modernization projects within systems.

Minimum Education: Bachelor's degree in Computer Systems, Software Engineering, or a related field.

BUSINESS PROCESS REENGINEERING SPECIALIST – SENIOR

Minimum/General Experience: The Senior Business Intelligence Engineer requires six years of experience, four of which must be specialized. Engineer must be competent in database systems and be able to transform multiple data sources within system using business intelligence principles.

Functional Responsibility: The position requires senior engineer organize analyze business systems through data extraction and interpretation and provide integrated solutions to cleanse and integrate multiple data sources. Analyzing confidence intervals and sample sizes and drawing and maintaining data integrity is also necessary. Senior will lead other engineers in data acquisition and in generating ideas for implementation.

Minimum Education: Master's degree in Computer Systems, Software Engineering or a related field. A Bachelor's degree, with experience, may be used in lieu of a Master's.

CHIEF ENGINEER/SCIENTIST

Minimum/General Experience: The Chief Engineer/Scientist position requires a minimum 18 years of experience, 12 of which must be specialized. Engineer must have significant experience in project engineering, system design and management in mission critical environments.

Functional Responsibility: The position requires project development from inception to deployment using a variety of technologies to meet client needs and expectations. Position provides highly technical support to the software or systems development process to include systems analysis, design, implementation, testing, documentation and maintenance of computer information technology applications.

Minimum Education: Master's degree in Engineering, Computer Science or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

COMMUNICATIONS SPECIALIST

Minimum/General Experience: The Communications Specialist position requires a minimum of three years of experience. Experience with writing and editing in a variety of mediums, in addition a background in corporate communications or public relations is necessary.

Functional Responsibility: The position requires specialist organize all forms of communication for business, including client correspondence and networking for potential business partnerships. Specialist will produce and edit a variety of documentation and be able to research for document support material.

Minimum Education: Bachelor's degree in English, journalism, communications or a related field.

DATA ARCHITECT

Minimum/General Experience: The Data Architect position requires five years of experience, three of which must be specialized. Architect must have experience in designing databases with DBMS design.

Functional Responsibility: The position requires architect develop databases using system tools and maintaining database longevity and the integrity of data. Architect will work as part of a project team, ensuring goals are made and met on each individual project.

Minimum Education: Bachelor's degree in Computer Science, Engineering, Computer Programming or a related field

DATA ARCHITECT – SENIOR

Minimum/General Experience: The Senior Data Architect position requires ten years of experience, eight of which must be specialized. Senior architect must have significant experience in designing and maintaining databases with DBMS design. Prior management experience is also necessary.

Functional Responsibility: The position requires senior architect develop databases using system tools and ensuring database longevity and the integrity of data. Senior will be also be responsible for managing a team of architects on various projects.

Minimum Education: Master's degree in Computer Science, Engineering, Computer Programming or a related field. A Bachelor's degree, with significant experience, can be used in lieu of a Master's.

DATABASE ADMINISTRATOR (DBA)

Minimum/General Experience: The Database Administrator position requires five years of experience, three of which must be specialized. Experience in software engineering in mission-critical systems is needed, in addition to ensuring databases run effectively.

Functional Responsibility: The position requires organizing data within systems, evaluating databases, as well as working with a team to supply physical designs for new and existing databases.

Minimum Education: A Bachelor's degree in Computer Science, Engineering or a related field.

DATABASE ADMINISTRATOR (DBA) – SENIOR

Minimum/General Experience: The Database Administrator position requires eight years of experience, six of which must be specialized. Experience in software engineering and managing operations for mission-critical systems is needed, in addition to ensuring databases run effectively.

Functional Responsibility: The position requires providing expertise in organizing data within systems, continually assessing and evaluating databases, as well as all supplying all logical and physical designs of new and existing databases and administering them. Senior will also manage a team of administrators.

Minimum Education: A Master's degree in Computer Science, Engineering or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

GRAPHIC ARTIST

Minimum/General Experience: The graphic artist position requires experience using hardware and software tools to generate graphic design. Artist must be up to date with the latest trends and design tools.

Functional Responsibility: The position requires artist design graphics for the Web, company documentation and promotional materials and various charts and manuals as related to various contracts. Overall knowledge of technical concepts and system upkeep are also necessary.

Minimum Education: Bachelor's degree in graphic design or a related field. An associate's degree, with experience, may be used in lieu of a Bachelor's.

HELP DESK MANAGER

Minimum/General Experience: The Help Desk Manager position requires a minimum of seven years of experience, at least five of which must be specialized. Manager needs to have knowledge of PC operating systems and how to troubleshoot problems in a multi-server environment, in addition experience networking between client/server. Manager must be capable of managing other help desk staff.

Functional Responsibility: The position requires management of help desk operations as the troubleshooting point of contact for phone, web and in person support for users. Manager will also oversee other help desk employees.

Minimum Education: Bachelor's degree in Computer Science, Information Systems, Engineering, Computer Programming or a related field.

INFORMATION ASSURANCE SPECIALIST

Minimum/General Experience: The Information Assurance Specialist position requires five years of experience in security administration, evaluation of security/Information Assurance product capabilities, assessment and policy development. The Information Assurance Specialist may also be a Certified Information Systems Security Specialist (CISSP) and knowledge about Certification and Accreditation (C&A), Department of Defense Information Assurance Certification and Accreditation Process (DIACAP), Information Assurance Vulnerability Management (IAVM), and Defense Information Systems Agency Security Technical Implementation Guides (STIG) is a plus.

Functional Responsibility: The position requires the individual to conduct vulnerability assessments, work with data center personnel, assist in security configuration requirements, and developing security/IA policies, procedures, and standards. The position also includes working with the customer and other stakeholders to minimize risk and secure networks.

Minimum Education: A Masters degree in Computer Science, Information Systems, or a related field. A Bachelors degree with significant experience may be used in lieu of a Masters

NETWORK ADMINISTRATOR

Minimum/General Experience: The Network Administrator position requires at least five years of experience. The Network Administrator needs experience in troubleshooting, administering and supporting servers, applications, and multi-server networks. The Network Administrator must have working knowledge of current technologies and products for Web services and security. The position requires supporting, installing, maintaining, troubleshoot-

ing, and coordinating the usage of local and wide area networks (LAN and WAN), email, telecommunications, and desktop systems and related software. The Network Administrator also is required to set up and administer security procedures, troubleshoot problems, and recommend and implement LAN policies and procedures and ensure adherence to security procedures.

Functional Responsibility: The position requires manager organize teams to help run and maintain the efficiency of large enterprise database systems through analytical , technical and software support services, while maintaining and keeping up to date with technical standards.

Minimum Education: A Bachelors degree in Computer Science, Information Systems, or a related field. An Associates degree with significant experience may be used in lieu of a Bachelors.

HELP DESK SPECIALIST

Minimum/General Experience: The Help Desk Specialist position requires a minimum of five years of experience, at least three of which must be specialized. Specialist needs to have knowledge of PC operating systems and how to troubleshoot problems in a multi-server environment.

Functional Responsibility: The position requires specialist serve as a point of contact to provide user support in troubleshooting system problems and operations.

Minimum Education: An Associate's or Bachelor's degree in Computer Science, Information Systems, Engineering, Computer Programming or a related field.

PRINCIPAL ANALYST

Minimum/General Experience: The Principal Analyst position requires a minimum of 14 years of experience of which ten must be specialized. Analyst should have experience providing support and recommendations on demanding contracts where highly critical source data is generated.

Functional Responsibility: The position requires logical analysis and evaluation of national level programs with IT programs and systems, including the generation of recommendations on design and concept formulation that can impact national defense programs and activities.

Minimum Education: Bachelor's degree in Systems Engineering, Computer Science, Computer Programming or a related field.

PRINCIPAL DATABASE ADMINISTRATOR

Minimum/General Experience: The Database Administrator position requires twelve years of experience, eight of which must be specialized. Experience in software engineering and managing operations for mission-critical systems is needed, in addition to ensuring databases run effectively. Team management experience is also needed.

Functional Responsibility: The position requires leading a team of administrators in providing expertise on organizing data within systems, continually assessing and evaluating databases, as well as all supplying all logical and physical designs for new and existing databases and administering them. Principal will be the source for information and project management for other affiliated enterprise development team members.

Minimum Education: A Master's degree in Computer Science, Engineering or a related field.

A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

PRINCIPAL SOFTWARE ENGINEER – SOA AND J2EE

Minimum/General Experience: The Principal Software Engineer position requires ten years of experience, eight of which must be specialized. Principal should have significant experience in Enterprise Architecture, J2EE, SOA, application integration, custom application architecture and OO Analysis and Design.

Functional Responsibility: The position requires Principal lead a team of engineers in developing software with enhanced and detailed SOA design that matures to high industry standards as well as integrating legacy backend systems with J2EE platform. Principal will manage design and execute multiple concurrent software development activities that meet customer specifications and criteria.

Minimum Education: Master's degree in engineering, computer science, software development or a related field. A Bachelor's degree, with related experience, may be used in lieu of a Master's.

PROGRAM MANAGER

Minimum/General Experience: The Program Manager position requires a minimum of nine years of experience, seven of which must be specialized. Manager needs experience working on large-scale programs is required, in addition to initiating management trade-off action.

Functional Responsibility: The position requires helping to manage funds, personnel and company policy on specific programs, while serving as a point of contact to clients, in addition to defining and adhering to goals and objectives.

Minimum Education: A Bachelor's degree in Business, Business Management, Computer Systems, Software Engineering or a related field.

PROGRAM MANAGER – SENIOR

Minimum/General Experience: The Senior Program Manager position requires a minimum of 12 years of experience, ten of which must be specialized. Senior manager needs experience managing large-scale programs, in all aspects, including staff and budget.

Functional Responsibility: The position requires managing funds, personnel and company policy on multiple programs, while serving as the chief liaison to clients. Senior will oversee technical development and engineering on various contracts, in addition to putting together and managing teams to complete them.

Minimum Education: Master's degree in Business, Business Management, Computer Systems, Software Engineering or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

PROJECT MANAGER

Minimum/General Experience: The Project Manager position requires six years of experience, four of which must be specialized. Project Manager should have experience organizing and directing projects, completing expected and unexpected tasks to ensure project deliverables and interfacing with clients.

Functional Responsibility: The position requires managing IT projects as part of a team, maintaining scheduled delivery of projects, organizing workflow and ensuring client's expect-

tations for projects are met.

Minimum Education: Bachelor's degree in Software Engineering, Computer Science, Business Management or a related field.

PROJECT MANAGER – SENIOR

Minimum/General Experience: The Senior Project Manager position requires ten years of experience, of which eight must be specialized. Significant experience organizing and directing projects and the teams to complete them is required.

Functional Responsibility: The position requires serving as the lead on teams to complete IT projects, organizing workflow to maximize efficiency and minimize cost, managing timelines and budgets and ensuring a client's expectations for projects are met.

Minimum Education: Master's degree in Software Engineering, Computer Science, Business Management or a related field. Bachelor's degree, with experience, may be used in lieu of a Master's.

QUALITY ASSURANCE ANALYST

Minimum/General Experience: The Quality Assurance Analyst position requires five years of experience, three of which must be specialized. Analyst should have experience in the full software development cycle from design to release and testing documentation. They should also have background working with technical support staff and developers to achieve ends.

Functional Responsibility: The position requires designing and maintaining test cases and plans and developing testing processes and approaches according to industry standards. The analyst will document test procedures and finding, and reconcile these results among different groups. Position also requires working with a team of analysts, as well the technical support staff and application developers, to identify and troubleshoot problems.

Minimum Education: Bachelor's degree in Business, Computer Science, Software Engineering or a related field.

QUALITY ASSURANCE ANALYST – SENIOR

Minimum/General Experience: The Senior Quality Assurance position requires eight years of experience, five of which must be specialized. Senior analyst should have experience in the full software development cycle from design to release and testing documentation. They should also have background working with technical support staff and developers to achieve ends.

Functional Responsibility: The position requires leading a team of analysts in designing and maintaining test cases and plans and developing testing processes and approaches according to industry standards. Documenting testing procedures and findings, and reconciling these results among different groups is needed. Position also requires working with the technical support staff and application developers, to identify and troubleshoot problems.

Minimum Education: Master's degree in Business, Computer Science, Software Engineering or a related field. Bachelor's degree with experience can be used in lieu of a Master's.

QUALITY ASSURANCE MANAGER

Minimum/General Experience: The Quality Assurance Manager position requires ten years of experience, seven of which must be specialized. Manager should have significant expe-

rience in the full software development cycle from design to release and in creating testing documentation. Manager will also have experience managing and running analysis team, while working with other technical support staff and developers.

Functional Responsibility: The position requires manager lead team of analysts and in serving as the final decision maker in test case and plan design and development that complies with industry standards. Documenting testing procedures and findings, and reconciling these results among different groups is needed. Position also requires manager serve as the chief facilitator in working with the technical support staff and application developers to identify and troubleshoot problems.

Minimum Education: Bachelor's degree in Business, Computer Science, Software Engineering or a related field.

RESEARCH ASSISTANT

Minimum/General Experience: The Research Assistant position requires one year of experience in providing research assistance and support for information technology programs and projects.

Functional Responsibility: The position assists in developing functional requirements and system designs by providing research assistance to development teams. Provides assistance in carrying out projects with emphasis as facilitator, analyst, and fact finder.

Minimum Education: Bachelor's Degree in Information Technology, Computer Science, Computer System Engineering, Computer Programming, Network Communications or a related scientific, technical or management field.

RESEARCH ASSISTANT- JUNIOR

Minimum/General Experience: Requires some educational experience related to general and scientific research and research support. Requires a proven, working knowledge of research, documentation, word processing, and office tools, as well as HTML.

Functional Responsibility: Provides wide-ranging support, and assists all reoccurring facilitation, analysis, research, and implementation as needed on a daily basis.

Minimum Education: Associates Degree or two years of study towards the completion of a Bachelor's Degree.

SCIENCE ADVISOR – SENIOR

Minimum/General Experience: The Senior Science Advisor position requires a minimum of 26 years of experience in a broad range of applications, programming, system architecture and design. Successful management of multiple software development projects/programs from beginning-to-end and experience in technical writing for proposals and documentation is required.

Functional Responsibility: The position requires creation of initial proposals for new business, setting up contracts and project teams and continued support for one or more projects/programs simultaneously to ensure design requirements are met and projects are completed on budget and schedule. This position requires the ability to provide development process initiatives, as well as producing proposals and customer-required documentation.

Minimum Education: Ph.D. or Master's degree in Software Engineering, Computer Science, Business Management or a related field, preferred.

SOFTWARE DEVELOPER

Minimum/General Experience: The Software Developer position requires three years of experience. Developer will have experience engineering complex software systems for one or more computer operating systems.

Functional Responsibility: The position requires developing software tailored to clients' specifications, in addition to continual testing and refinement of that software. Providing support documentation for software may also be necessary.

Minimum Education: An Associate's or Bachelor's degree in Computer Programming, Computer Science or a related field.

SOFTWARE DEVELOPER II

Minimum/General Experience: The Software Developer II position requires five years of experience, three of which must be specialized. Developer will have experience engineering complex software systems for one or more computer operating systems, in addition to a background in team management.

Functional Responsibility: The position requires developing software tailored to clients' specifications as part of a team of engineers. Designing, testing and coding new software, in addition to being able to provide supporting documentation, is required. Continual refinement of developed software may be necessary.

Minimum Education: A Bachelor's degree in Computer Programming, Computer Science or a related field.

SOFTWARE DEVELOPER III

Minimum/General Experience: The Software Developer III position requires eight years of experience, six of which must be specialized. Developer should have experience engineering complex software systems for one or more computer operating systems, in addition to a background in team management.

Functional Responsibility: The position requires serving as the lead in developing software tailored to clients' specifications and managing a team of engineers. Designing, testing and coding new software, in addition to being able to provide supporting documentation, is required. Continual refinement of developed programs may be necessary.

Minimum Education: Master's degree in Computer Programming, Computer Science or a related field. A Bachelor's degree with experience may be used in lieu of a Master's.

SOFTWARE ENGINEER

Minimum/General Experience: The Software Engineer position requires four years of experience, two of which must be specialized. Experience in designing and developing systems software and enhancing and modifying those designs is necessary.

Functional Responsibility: The position requires engineer research and design system software to meet customer parameters and specifications. Coding, testing and integrating software to Web-based applications, while providing database support is essential. Engineer will enhance existing software with new features as well as be able to modify and correct any problems that occur with designs.

Minimum Education: A Bachelor's degree in Computer Science, Software Programming,

Engineering or a related field.

SOFTWARE ENGINEER – SENIOR

Minimum/General Experience: The Senior Software Engineer position requires six years of experience, four of which must be specialized. Experience in designing and developing systems software and enhancing and modifying those designs is necessary.

Functional Responsibility: The position requires Senior Engineer lead a team of engineers in researching and designing system software to meet customer parameters and specifications. Coding, testing and integrating software to Web-based applications, while providing database support is essential. Senior engineer will enhance existing software with new features as well as be able to modify and correct any problems that occur with designs, and be the chief liaison to clients to ensure designs meet particulars.

Minimum Education: A Master's degree in Computer Science, Software Programming, Engineering or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

SUBJECT MATTER EXPERT (SME)

Minimum/General Experience: The Subject Matter Expert position requires 15 years of experience in an information technology or scientific field. Supports complex projects and programs by providing unique subject matter expertise in information technology or scientific areas, and related functional, technical, professional or policy areas.

Functional Responsibility: The position requires the ability to identify underlying scientific, technical, operational, and policy issues, and to provide expert analysis, assessment, and recommended courses of action in the domain being represented. Responsibilities relate to research, technology assessment, concept formulation, development or production, management, and include advising senior level personnel on highly complex topics.

Minimum Education: Bachelor's Degree in Information Technology, Computer Science, Computer System Engineering, Computer Programming, Network Communications or related scientific technical or management field.

SUBJECT MATTER EXPERT (SME) – SENIOR

Minimum/General Experience: The Senior Subject Matter Expert position requires 24 years of experience in an information technology or scientific field. Supports complex projects and programs by providing unique subject matter expertise in information technology or scientific areas, and related functional, technical, professional or policy areas.

Functional Responsibility: The position requires the ability to identify underlying scientific, technical, operational, and policy issues, and to provide expert analysis, assessment, and recommended courses of action in the domain being represented. Responsibilities relate to research, technology assessment, concept formulation, development or production, management, and include advising senior level/ executive level personnel on high-level, highly complex topics.

Minimum Education: Advanced degree in Information Technology, Computer Science, Computer System Engineering, Computer Programming, Network Communications or related scientific technical or management field.

SYSTEM ADMINISTRATOR

Minimum/General Experience: The System Administrator position requires five years of experience, of which three must be specialized. Administrator needs experience in troubleshooting, administering and supporting operating systems, servers and applications and multi-server networks.

Functional Responsibility: The position requires installing systems and integrating computer operating systems and network software and hardware and making sure systems are compliant with multi-user computer systems. Supervision of daily activities of configuration operation and business systems, and optimizing operation, is also required.

Minimum Education: Bachelor's degree in Computer Science, Systems Engineering, Computer Programming or a related field.

SYSTEM ARCHITECT

Minimum/General Experience: The System Architect position requires six years of experience, four of which must be specialized. Architect must have significant experience in planning and designing IT systems in both legacy and enterprise environments.

Functional Responsibility: The position requires developing designs for major enterprise system development with both hardware and software and following through with their implementation. Architect must ensure system's architecture complies with standards.

Minimum Education: Bachelor's degree in Systems Engineering, Computer Science, Computer Programming or a related field.

SYSTEM ARCHITECT – SENIOR

Minimum/General Experience: The System Architect position requires nine years of experience, six of which must be specialized. Architect must have significant experience in planning and designing IT systems in both legacy and enterprise environments.

Functional Responsibility: The position requires serving as the lead architect in designing and engineering major enterprise system development with both hardware and software, ensuring that the designed system architecture complies with standards and meets client standards. Senior should be schooled in generating enterprise and legacy solutions within conceptual framework.

Minimum Education: Bachelor's degree in Systems Engineering, Computer Science, Computer Programming or a related field.

SYSTEMS ANALYST

Minimum/General Experience: The Systems Analyst position requires five years of experience, three of which must be specialized. Experience analyzing systems as well as hardware and software designs and report generation, is necessary.

Functional Responsibility: The position requires supervising the evaluation of system efficiency. Analyst is responsible for testing systems, running feasibility studies and the generating of reports to ensure systems run smoothly. Analyst should be able to troubleshoot potential and existing system errors with logical solutions.

Minimum Education: Bachelor's degree in Computer Science, Software Engineering or a related field.

SYSTEMS ANALYST – SENIOR

Minimum/General Experience: The Senior Systems Analyst position requires nine years of experience, six of which must be specialized. Senior analyst needs significant experience analyzing systems as well as hardware and software designs and generating reports. A background in team management is also required.

Functional Responsibility: The position requires senior provide managerial oversight to a team of analysts, while supervising the evaluation of system efficiency. Testing systems, running feasibility studies and generating reports to ensure systems run smoothly, is necessary. Analyst should be able to troubleshoot potential and existing system errors with logical solutions.

Minimum Education: Master's in Computer Science, Software Engineering or a related field. A Bachelor's degree with experience may be used in lieu of a Master's.

TECHNICAL WRITER

Minimum/General Experience: The Technical Writer position requires two years of experience of documenting highly technical processes and products, as well as editing, proofing, and rewriting pre-existing documents and documenting materials.

Functional Responsibility: The position provides informational reporting and text to serve promotional materials, proposals, manuals, instructions, catalogs, lists, illustrations, photographs, diagrams, charts, etc. Requires the ability to express complex ideas clearly and to place scientific information into easily understandable language, as well as a technical proficiency.

Minimum Education: Bachelor's Degree in English, journalism, or a related liberal arts, humanities, or communications field.

WEB DEVELOPMENT ENGINEER

Minimum/General Experience: The Web Development Engineer position requires six years of experience. Experience in Website design, development, deployment and maintenance/monitoring, as well as knowledge of Web operational procedures and content management infrastructures is necessary.

Functional Responsibility: The position requires engineer work on a team to develop Web sites that are high in content and heavy in traffic. Upkeep of content and knowledge of project specific middleware and interfaces is required.

Minimum Education: A Bachelor's degree in Computer Science, Software Engineering, Information Systems, or a related field.

WEB DEVELOPMENT ENGINEER – SENIOR

Minimum/General Experience: The Senior Web Development Engineer position requires twelve years of experience, eight of which must be specialized. Experience in Website design, development, deployment and maintenance/monitoring, as well as knowledge of Web operational procedures and content management infrastructures is necessary.

Functional Responsibility: The position requires engineer facilitate the supporting framework for heavily trafficked, high content Web sites, in addition to serving as the lead on a team of engineers to create and maintain sites. Management of content, and knowledge of project specific middleware and interfaces is required.

Minimum Education: A Master's degree in Computer Science, Software Engineering, Information Systems or a related field. A Bachelor's degree, with significant experience, may be used in lieu of a Master's.

4 USA Commitment To Promote Small Business Participation Procurement Programs

PREAMBLE

Avum ,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-protg 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 Avum Inc., Randall P. Mora, voice: (310) 457-8263 X6001, randall@avum.com, fax: (310) 457-8264.

5 Suggested Blanket Purchase Agreement (BPA)

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.

Ordering Activity	Contractor
Signature: _____	Signature: _____
Name: _____	Name: _____
Title: _____	Title: _____
Date: _____	Date: _____

BPA NUMBER _____

(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 SCHEDULE/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.

6 Contractor Team Arrangements

BEST VALUE 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 or the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors. Customers should refer to FAR 9.6 for specific details on Team Arrangements.

- Here is a general outline on how it works:
- 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.